Index to volume 77

AUTHOR INDEX*

A

Absolon, Karel B., Freant, Lawrence, Newsome, David, Kim, Sae Chang, and Oboler, Allen. Extrathoracic axillary-iliac bypass substitution of a resected descending thoracic aorta, 275

Acland, Robert. Notes on the handling of ultrafine suture material, 507

Adair, Linda. (*See* Rosato et al.), 817

Adams, Kirkwood. (*See* Starling et al.), 562

Aguilo, Juan J. (*See* Zincke et al.), 444

Aizawa, Isamu. (*See* Itoh et al.), 648

Anderson, Charles B., Codd, John E., Graff, Ralph J., Gregory, John G., Groce, M. Ann, and Newton, William T. Serum lactic dehydrogenase and human renal allograft failure, 674

Antoniades, Kristina, and Brooks, Clint E., Jr. Hemoperitoneum from liver cell adenoma in a patient on oral contraceptives, 137

Arima, Eitoku. (*See* Fonkalsrud and Arima), 384

B

Baek, Se-Min, Makabali, Gilbert G., Brown, Robert S., and Shoemaker, William C. Free-water clearance patterns as predictors and therapeutic guides in acute renal failure, 632

Bagley, Demetrius H. (*See* Faraci et al.), 433

Baldwin, Stanley S. (*See* Couch, Baldwin, and Crane), 106

Ballinger, Walter F. (*See* Scharp et al.), 100

—. (*See* Perkoff et al.), 619

Banke, L. (*See* Kalaja et al.), 140

Bardana, Emil J. (*See* Porter et al.), 11

Barker, Wiley F. (*See* Storm et al.), 261

Barlow, Barbara, and Santulli, Thomas V. Importance of multiple episodes of hypoxia or cold stress on the development of enterocolitis in an animal model, 687

Barreca, Joseph P., Smith, Robert B., III, and King, Oliver W. The significance of elongation and angulation of the carotid artery: A negative view, 45

Baue, Arthur E. (*See* Chaudry, Sayeed, and Baue), 180

—. (*See* Sayeed, Chaudry, and Baue), 395

—. (*See* Chaudry, Sayeed, and Baue), 833

Baxter, Charles R. (*See* Rayfield, Vaught, and Baxter), 86

Beauchamp, Richard A. (*See* Clark, Margraf, and Beauchamp), 216

Beazley, Robert M. (*See* Faraci et al.), 433

Becker, Ronald M., Cockroft, Donald, and Poirier, Normand L. Excision of infected aortic bifurcation graft and axillofemoral bypass: Case report, 718

Bekassy, Szabolcs M., Daniell, Malcolm B., and De Bakey, Michael E. Inadvertent femoral artery "stripping": Surgical management, 318

—. (*See* Liddicoat et al.), 467

Bell, Martin J., and Ternberg, Jessie L. Early repair of anorectal abnormalities (editorial), 617

Bender, Harvey W. (*See* Cingolani et al.), 427

Bergan, John J., Dean, Richard H., and Yao, James S. T. Use of the axillary artery in complex cerebral revascularization, 338

Berger, Robert L. (*See* Dennis et al.), 741

Bhimjee, Y. (*See* Imamura et al.), 868

Bieber, Charles P. (*See* Stinson et al.), 861

Blackburn, G. L. (*See* Imamura et al.), 868

Bland, Richard D. (*See* Demling et al.), 512

Bortolussi, Mario E. (*See* Newman et al.), 154

Boyer, James L. (*See* Tilson, Boyer, and Wright), 231

Broadie, Thomas A. (*See* Delaney, Broadie, and Robbins), 764

Broelsch, Cristoph E. (*See* Lee et al.), 144

Brooks, Clint E., Jr. (*See* Antoniades and Brooks), 137

Brooks, Frank P. (*See* Rosato et al.), 817

Brown, Craig S. (*See* Lavigne et al.), 439

Brown, I. W., Jr. (*See* Holland et al.), 75

Brown, Robert S. (*See* Baek et al.), 632

Burchell, Albert R. (*See* Moreno et al.), 167

Byron, Ralph L., Jr. (*See* Silverstein et al.), 825

C

Cairns, David W. (*See* Way, Cairns, and Deveney), 841

Cameron, John L. Observations by a James IV traveler on British surgical centers, 360

—, Zuidema, George D., and Margolis, Simon. A pathogenesis for alcoholic pancreatitis, 754

Campbell, Gilbert S. (*See* Spies, Weiss, and Campbell), 793

Castaneda, Aldo R. (*See* Sade and Castaneda), 624

Chandler, James G. (*See* Lee et al.), 144

Charters, A. Crane, III. (*See* Lee et al.), 144

Chaudry, Irshad H., Sayeed, Mohammed M., and Baue, Arthur E. Degradation of adenine nucleotides by the soleus muscle in hemorrhagic shock, 180

—. (*See* Sayeed, Chaudry, and Baue), 395

—, —, and —. Evidence for enhanced uptake of animals in shock, 833

Cheung, Laurence Y., Moody, Frank G., and Reese, Randy S. Effect of aspirin, bile salt, and ethanol on canine gastric mucosal blood flow, 786

Chien, Shu. (*See* Scholz, Kinney, and Chien), 351

Christiansen, P. M. (*See* Kalaja et al.), 140

*January, pp. 1-164; February, pp. 165-332; March, pp. 333-474; April, pp. 475-614; May, pp. 615-734; June, pp. 735-902.

CINGOLANI, HORACIO E., FAULKNER, SCOTT L., MATTIAZZI, ALICIA R., BENDER, HARVEY W., AND GRAHAM, THOMAS P., JR. Depression of human myocardial contractility with "respiratory" and "metabolic" acidosis, 427

CLAGETT, G. PATRICK, SCHNEIDER, PETER, ROSOFF, CHESTER B., AND SALZMAN, EDWIN W. The influence of aspirin on postoperative platelet kinetics and venous thrombosis, 61

CLARK, RICHARD A., MARGRAF, HARRY W., AND BEAUCHAMP, RICHARD A. Fat and solid filtration in clinical perfusions, 216

CLEMMESEN, I. (*See* Kalaja et al.), 140

CLOWES, G. H. A., JR. (*See* Imamura et al.), 868

COBLENTZ, MALCOLM G., AND FILIPPONE, DENNIS R. Primary adenocarcinoma of the jejunum and coexisting primary adenocarcinoma of the vermiform appendix: A case report, 160

COCKROFT, DONALD. (*See* Becker, Cockroft, and Poirier), 718

CODD, JOHN E. (*See* Anderson et al.), 674

COUCH, NATHAN P., BALDWIN, STANLEY S., AND CRANE, CHILTON. Mortality and morbidity rates after inferior vena caval clipping, 106

CRANE, CHILTON. (*See* Couch, Baldwin, and Crane), 106

CRANLEY, JOHN J. Venous stasis (letter to editors), 730

CRAWFORD, FRED A., SETHI, GULSHAN K., SCOTT, STEWART M., AND TAKARO, TIMOTHY. Femorofemoral grafts for unilateral occlusion of aortic bifurcation grafts, 150

CULPEPPER, ROBERT D., KONDO, YOSHIO, HARDY, JAMES D., AND TURNER, M. DON. Successful orthotopic allotransplatation of hearts from dogs in irreversible shock, 126

CUMMINGS, M. G. (*See* Funovics et al.), 661

CUMMINS, MICHAEL J. (*See* Newman et al.), 154

D

DANG, MICHAEL H. (*See* Liddicoat et al.), 467

DANIELL, MALCOLM B. (*See* Bekassy, Daniell, and De Bakey), 318

DARDIK, HERBERT, DARDIK, IRVING I., SPRAYREGEN, SEYMOUR, IBRAHIM, IBRAHIM M., AND VEITH, FRANK J. Patient selection and improved technical factors in small-vessel bypass procedures of the lower extremity, 249

DARDIK, IRVING I. (*See* Dardik et al.), 249

DEAN, RICHARD H. (*See* Bergan, Dean, and Yao), 338

DE BAKEY, MICHAEL E. (*See* Bekassy, Daniell, and De Bakey), 318

—. (*See* Liddicoat et al.), 467

DEITRICK, JOHN E. (*See* Morrissey et al.), 851

DELANCY, HERMAN. Reply to Hawkins (letter to editors), 473

DELANEY, JOHN P., BROADIE, THOMAS A., AND ROBBINS, PHILIP L. Pyloric reflux gastritis: The offending agent, 764

DEMLING, ROBERT H., SELINGER, SAMUEL L., BLAND, RICHARD D., AND STAUB, NORMAN C. Effect of acute hemorrhagic shock on pulmonary microvascular fluid filtration and protein permeability in sheep, 512

DENMAN, SUSAN. (*See* Stern et al.), 291

DENNIS, RICHARD C., VITO, LOUIS, WEISEL, RICHARD E., VALERI, C. R. BERGER, ROBERT L., AND HECHTMAN, HERBERT B. Improved myocardial performance following high 2-3 diphosphoglycerate red cell transfusions, 741

DENTON, IRA C., JR. (*See* Mozingo and Denton), 118

DEROOS, JAN. (*See* Norberg, DeRoos, and Kaplan), 773

DEVENEY, CLIFFORD W. (*See* Way, Cairns, and Deveney), 841

DEWEERD, JAMES H. (*See* Zincke et al.), 444

DEWEESE, JAMES A. (*See* Green, DeWeese, and Rob), 24

DIDOLKAR, MUKUND. (*See* Stern et al.), 291

DIETHRICH, EDWARD B. (*See* Ibrahim et al.), 285

DOS, SERGE J. The Carrel-Guthrie controversy (letter to editors), 330

DOWNS, A. R., GASKELL, P., MORROW, I., AND MUNSON, C. L. Assessment of arterial obstruction in vessels supplying the fingers by measurement of local blood pressures and the skin temperature response test—correlation with angiographic evidence, 530

DOYLE, T. J., MCGREGOR, W. R., FOX, P. S., MADDISON, F. E., RODGERS, R. E., AND KAUFFMAN, H. M. Homotransplant renal artery stenosis, 53

DRAGSTEDT, L. R. (*See* Maher et al.), 255

DRAPANAS, THEODORE. A tribute to Louis M. Rousselot, 165

DUDLEY, HUGH. (*See* Fielding and Dudley) (letter to editors), 730

DYKES, MICHAEL H. M. (*See* Owens et al.), 586

E

EGGLESTON, F. C., AND FEIERABEND, T. C. The early acidosis of burns: Its relationship to extent of burn and management, 641

EIDEMILLER, LARRY R. (*See* Porter et al.), 11

EISEMAN, B. (*See* Norton and Eiseman), 280

ELIAS, ELIAS G. (*See* Stern et al.), 291

ETTLING, MARY B. (*See* Owens et al.), 586

EVANS, LEE W. (*See* Jacques et al.), 577

F

FARACI, ROBERT P., BAGLEY, DEMETRIUS H., MARRONE, JOANNE, AND BEAZLEY, ROBERT M. In vitro demonstration of cryosurgical augmentation of tumor immunity, 433

FAULKNER, SCOTT L. (*See* Cingolani et al.), 427

FEIERABEND, T. C. (*See* Eggleston and Feierabend), 641

FEWEL, JOHN. (*See* Lavigne et al.), 439

FIELDING, PETER, AND DUDLEY, HUGH. Computer logic programs (letter to editors), 730

FILIPPONE, DENNIS R. (*See* Coblentz and Filippone), 160

FINE, STUART W. (*See* Saltzstein and Fine), 607

FINK, R. (*See* Greenburg et al.), 799

FISCHER, J. E. (*See* Funovics et al.), 661

FLAMANT, YVES M. (*See* Lee et al.), 144

FLOMAN, Y. (*See* Freund, Romanoff, and Floman), 201

FONKALSRUD, ERIC W., AND ARIMA, EITOKU. Bile lakes in congenital biliary atresia, 384

FOX, P. S. (*See* Doyle et al.), 53

FREANT, LAWRENCE. (*See* Absolon et al.), 275

FREUND, U., ROMANOFF, H. AND FLOMAN, Y. Mortality rate following lower limb arterial embolectomy: Causative factors, 201

FROHNERT, PETER P. (*See* Zincke et al.), 444

Fry, P. D. (*See* Hildebrand and Fry), 540
Funovics, J. M., Cummings, M. G., Shuman, L., James, J. H., and Fischer, J. E. An improved nonsuture method for portacaval anastomosis in the rat, 661

G

Gans, H. Tradition and innovation: Reflections on selected historical highlights in the field of hepatic surgery, 593
Gans, Henry. Mechanism of heparin protection in endotoxin shock, 602
Gaskell, P. (*See* Downs et al.), 530
Georgiade, Nicholas G., King, Elizabeth H., Harris, William A., Tenery, John H., and Schlech, Barry A. Effect of three proteinaceous foreign materials on infected and subinfected wound models, 569
Gervin, Alfred S., Mason, Kenneth G., and Wright, Creighton B. The filtration limitations of ultrapore filters, 186
Gierson, Eugene D. (*See* Storm et al.), 261
Gilbert, John P. (*See* Owens et al.), 586
Gonzalez, Ramon R., Jr. (*See* Müller and Gonzalez) (letter to editors), 733
Gordon, Michael J., O'Brien, Paul, Skillman, John J., and Silen, William. The effect of carbenoxolone on changes in canine and human gastric mucosa caused by taurocholate and ethanol, 707
Graff, Ralph J. (*See* Anderson et al.), 674
Graham, Thomas P., Jr. (*See* Cingolani et al.), 427
Green, David, (*See* Kahan et al.), 241
Green, Richard M., DeWeese, James A., and Rob, Charles G. Arterial embolectomy before and after the Fogarty catheter, 24
Greenburg, A. G., McClure, D. K., Fink, R., Stubbs, J. A., and Peskin, G. W. Computerization of the surgical intensive care unit: Improvement of patient care via education, 799
Gregory, John G. (*See* Anderson et al.), 674
Griepp, Randall B. (*See* Stinson et al.), 861
Grimelius, Lars. (*See* Johansson et al.), 691
Groce, M. Ann. (*See* Anderson et al.), 674
Grundmann, R., Raab, M., Meusel, E., Kirchhoff, R., and Pichlmaier, H. Analysis of the optimal perfusion pressure and flow rate of the renal vascular resistance and oxygen consumption in the hypothermic perfused kidney, 451
Gurll, Nelson J. (*See* Zinner, Turtinen, and Gurll), 807

H

Hall, Lovelyn E. (*See* Mason et al.), 235
Halmagyi, D. F. J., and Kinney, J. M. Metabolic rate in acute respiratory failure complicating sepsis, 492
Hardy, James D. (*See* Culpepper et al.), 126
Harris, William A. (*See* Georgiade et al.), 569
Hartz, Wilson H., Jr. (*See* Kahan et al.), 241
Hattery, Robert R. (*See* Zincke et al.), 444
Hawkins, Michael L. Solitary rectal ulcer (letter to editors), 473
Hechtman, Herbert B. (*See* Dennis et al.), 741
Hildebrand, H. D., and Fry, P. D. Ruptured abdominal aortic aneurysm, 540
Hill, G. B. (*See* Holland et al.), 75
Hill, George J., II. Outpatient surgery—what are the indications for it, 333
Ho, Lin, and Rosenman, L. D. Complete invagination of the vermiform appendix with villous adenoma, intussuscepting to the splenic flexure of the colon, 505
Hobson, Robert W., II, Wright, Creighton B., and Lamoy, Robert E. Adrenergic mechanisms in the cephalic and cerebral circulations of the subhuman primate, 304
Hogle, Hugh. (*See* Weber et al.), 208
Holland, J. A., Hill, G. B., Wolfe, W. G., Osterhout, S., Salzman, H. A., and Brown, I. W., Jr. Experimental and clinical experience with hyperbaric oxygen in the treatment of clostridial myonecrosis, 75
Holyoke, E. Douglas. (*See* Stern et al.), 291
Honda, Ryuichi. (*See* Itoh et al.), 648
Huang, Ted T. Adjustable razor dermatome: Another efficient, economical, and portable dermatome, 703
Hughes, Edward F. X., Lewit, Eugene M., and Lorenzo, Frederick V. Time utilization of a population of general surgeons in community practice, 371
Hung, Wen-Tsung. Experience with a modification of Duhamel-Grob-Martin operation for the treatment of Hirschsprung's disease, 680
Huttunen, R., Seppälä, A., Mokka, R., and Larmi, T. K. I. Spontaneous rupture of the liver and the spleen: Report of a successfully treated case with immunopathologic reaction, 722

I

Ibrahim, Fuad, Kinard, Sam A., Schwartz, Eugene L., and Diethrich, Edward B. Transmyocardial left-to-right shunt complicating acute inferior wall myocardial infarction after aortocoronary bypass, 285
Ibrahim, Ibrahim M. (*See* Dardik et al.), 249
Imamura, M., Clowes, G. H. A., Jr., Blackburn, G. L., O'Donnell, T. F., Jr., Treirice, M., Bhimjee, Y., and Ryan, N. T. Liver metabolism and glucogenesis in trauma and sepsis, 868
Itoh, Zen, Takeuchi, Sinjin, Aizawa, Isamu, and Honda Ryuichi. The negative feedback mechanism of gastric acid secretion: Significance of acid in the gastric juice in man and dog, 648

J

Jacques, David P., Reynolds, David G., Evans, Lee W., and Swan, Kenneth G. Adrenergic mechanisms in the hindlimb circulation of baboons, 577
Jaffee, Bernard M. First-time jobs in academic surgery (letter to editors), 613
James, J. H. (*See* Funovics et al.), 661
Jarvik, Robert. (*See* Oster et al.), 113
Johansson, Henry, Thorén, Lars, Werner, Ivar, and Grimelius, Lars. Normocalcemic hyperparathyroidism, kidney stones, and idiopathic hypercalciuria, 691
Johnson, George. (*See* Starling et al.), 562
Johnston, Ivan D. A. (*See* Wright and Johnston), 479

K

Kahan, Barry D., Green, David, Ruder, Alannah, Ranney, David F., Hartz, Wilson H., Jr., and Mittal, Kamal K. Single donor, HL-A matched platelet transfusions for thrombocytopenic patients undergoing surgery, 241

KAHN, LAWRENCE. (*See* Perkoff et al.), 619
KAKOS, GERARD S., KARAYANNACOS, P. E., WILLIAMS, THOMAS E., JR., KILMAN, JAMES W., AND VASKO, JOHN S. Effects of pharmacological myocardial depression on coronary artery collateral formation, 748
KALAJA, E., CLEMMESEN, I., BANKE, L., KRAGELUND, E., AND CHRISTIANSEN, P. M. Accidents and complications in selective and proximal gastric vagotomy, 140
KAMINSKI, DONALD L., RUWART, MARY J., AND WILLMAN, VALLEE L. The effect of electrical vagal stimulation on canine pancreatic exocrine function, 545
KAPLAN, EDWIN L. (*See* Lesavoy, Norberg, and Kaplan), 325
—. (*See* Norberg, DeRoos, and Kaplan), 773
KARAYANNACOS, P. E. (*See* Kakos et al.), 748
KAROW, ARMAND M., JR. Organs for transplantation (editorial), 615
KASUYA, MORIMASA. (*See* Whittemore et al.), 419
KAUFFMAN, H. M. (*See* Doyle et al.), 53
KILMAN, JAMES W. (*See* Kakos et al.), 748
KIM, SAE CHANG. (*See* Absolon et al.), 275
KINARD, SAM A. (*See* Ibrahim et al.), 285
KING, ELIZABETH H. (*See* Georgiade et al.), 569
KING, OLIVER W. (*See* Barreca, Smith, and King), 45
KINNEY, J. M. (*See* Scholz, Kinney, and Chien), 351
—. (*See* Halmagyi and Kinney), 492
KIRCHHOFF, R. (*See* Grundmann et al.), 451
KNUTSON, CARL O. Reply to Fielding and Dudley (letter to editors), 731
KOLFF, W. J. (*See* Oster et al.), 113
KONDO, YOSHIO. (*See* Culpepper et al.), 126
KOPRIVA, CHARLES J. (*See* Pappas et al.), 34
KOUNTZ, SAMUEL L. The effect of bioscience and technological momentum on the surgical treatment of chronic illness, 735
KRAGELUND, E. (*See* Kalaja et al.), 140

L

LACY, PAUL E. (*See* Scharp et al.), 100
LAMOY, ROBERT E. (*See* Mason et al.), 235
—. (*See* Hobson, Wright, and Lamoy), 304
LARMI, T. K. I. (*See* Huttunen et al.), 722
LAVIGNE, JEFFREY E., BROWN, CRAIG S., FEWEL, JOHN, AND SWAN, KENNETH G. Hemodynamics within a canine femoral arteriovenous fistula, 439
LEARY, FRANK J. (*See* Zincke et al.), 444
LEE, SUN, BROELSCH, CRISTOPH E., FLAMANT, YVES M., CHANDLER, JAMES G., CHARTERS, A. CRANE, III, AND ORLOFF, MARSHALL, J. Liver regeneration after portacaval transposition in rats, 144
LEKAS, NICHOLAS. (*See* Rosenberg et al.), 520
LEONARD, ARNOLD S. (*See* Wilson, Roback, and Leonard), 715
LEONG, C. H. (*See* Yu and Leong), 726
LESAVOY, MALCOLM A., NORBERG, HANS P., AND KAPLAN, EDWIN L. Substernal goiter with superior vena caval obstruction, 325
LEWIT, EUGENE M. (*See* Hughes, Lewit, and Lorenzo), 371
LIDDICOAT, JOHN E., BEKASSY, SZABOLCS M., DANG, MICHAEL H., AND DE BAKEY, MICHAEL E. Complete occlusion of the infrarenal abdominal aorta: Management and results in 64 patients, 467
LINN, BERNARD S., AND SZABO, STEPHEN. The varying sensitivity to antibacterial agents of micro-organisms in pure vs. mixed cultures, 780
LOGERFO, FRANK W., AND MASON, G. ROBERT. Reply to Müller and Gonzalez (letter to editors), 734
LORENZO, FREDERICK V. (*See* Hughes, Lewit, and Lorenzo), 371
LUKASIEWICZ, S. (*See* Tobik, Lukasiewicz, and Starzewski), 225
LYSZ, KAREN. (*See* Rosenberg et al.), 520

M

MACKIE, ANITA. (*See* Scott and Mackie), 311
MADDISON, F. E. (*See* Doyle et al.), 53
MAGILLIGAN, DONALD J., JR., AND SCHWARTZ, SEYMOUR I. Platelet response to regional and systemic shock, 268
MAHER, J. W., WICKBOM, G., WOODWARD, E. R., MCGUIGAN, J. E., AND DRAGSTEDT, L. R. The effect of vagal stimulation on gastrin release and acid secretion, 255
MAKABALI, GILBERT G. (*See* Baek et al.), 632
MAKI, TETSUO. (*See* Sekine et al.), 92
MALMSTRØM, J. (*See* Stadil et al.), 345
MARGOLIS, IRVING B., WAYNE, ROBERT, AND ORGAN, CLAUDE H., JR. Parathyroid cysts: Functional and mediastinal, 462
MARGOLIS, SIMON. (*See* Cameron, Zuidema, and Margolis), 754
MARGRAF, HARRY W. (*See* Clark, Margraf, and Beauchamp), 216
MARRONE, JOANNE. (*See* Faraci et al.), 433
MASON, G. ROBERT. (*See* LoGerfo and Mason) (letter to editors), 734
MASON, KENNETH G., HALL, LOVELYN E., LAMOY, ROBERT E., AND WRIGHT, CREIGHTON B. Evaluation of blood filters: Dynamics of platelets and platelet aggregates, 235
—. (*See* Gervin, Mason, and Wright), 186
MATTIAZZI, ALICIA R. (*See* Cingolani et al.), 427
MCCLURE, D. K. (*See* Greenburg et al.), 799
MCGREGOR, W. R. (*See* Doyle et al.), 53
MCGUIGAN, J. E. (*See* Maher et al.), 255
MCINTOSH, RAWLE. (*See* Weber et al.), 208
MCPEEK, BUCKNAM. (*See* Owens et al.), 586
MCSHERRY, CHARLES K. (*See* Morrissey et al.), 851
MEUSEL, E. (*See* Grundmann et al.), 451
MITRA, S. K. (*See* Nainan, Mitra, and Pathak), 697
MITTAL, KAMAL K. (*See* Kahan et al.), 241
MIYATA, M. (*See* Stadil et al.), 345
MOKKA, R. (*See* Huttunen et al.), 722
MOODY, FRANK G. (*See* Cheung, Moody, and Reese), 786
MOORE, FRANCIS D. The surgeon's work (load?), 336
MORENO, AUGUSTO H., BURCHELL, ALBERT R., REDDY, REDDY V., PANKE, WILLIAM F., AND NEALON, THOMAS F., JR. The hemodynamics of portal hypertension revisited: Determinants and significance of occluded portal pressures, 167
MORRELL, ROGER. (*See* Rosenberg et al.), 520
MORRISSEY, KEVIN P., MCSHERRY, CHARLES K., SWARM, RICHARD L., NIEMAN, WENDELL H., AND DEITRICK, JOHN E. Toxicity of chenodeoxycholic acid in the nonhuman primate, 851
MORROW, I. (*See* Downs et al.), 530
MOSAVY, S. H., SAJADIEH, V., AND VAKHSHURI, P. Echinococcal cyst beyond the pulmonary sieve, 194

Mozes, Mark, Ouaknine, Georges, and Nathan, Hilel. Saphenous nerve entrapment simulating vascular disorder, 299
Mozingo, J. Robert, and Denton, Ira C., Jr. The neurological deficit associated with sudden occlusion of abdominal aorta due to blunt trauma, 118
Müller, H. R., and Gonzalez, Ramon R., Jr. Doppler studies outside the United States (letter to editors), 733
Munson, C. L. (*See* Downs et al.), 530
Murphy, James J. (*See* Scharp et al.), 100
Murray, Gordon F. (*See* Starling et al.), 562

N

Nainan, K. Mani, Mitra, S. K., and Pathak, I. C. Perineal anal transplant in anorectal malformation in female patients, 697
Najarian, John S. (*See* Simmons and Najarian), 493
Nathan, Hilel. (*See* Mozes, Ouaknine, and Nathan), 299
Nealon, Thomas F., Jr. (*See* Moreno et al.), 167
Nel Pelaez, Roberto. (*See* Velez-Gil, Wilson, and Nel Pelaez), 391
Newman, Frederic A., Strauss, Roger B., Reznick, Steven E., Bortolussi, Mario E., Cummins, Michael J. and Stuckey, Jackson H. The effect of high cervical cordotomy on portal vein plasma serotonin and 5-hydroxyindoleacetic acid levels in dogs with and without superior mesenteric artery occlusion, 154
Newsome, David. (*See* Absolon et al.), 275
Newsome, H. H., Jr. Growth hormone in surgical stress, 475
Newton, William T. (*See* Scharp et al.), 100
—. (*See* Anderson et al.), 674
Nieman, Wendell H. (*See* Morrissey et al.), 851
Norberg, Hans P., DeRoos, Jan, and Kaplan, Edwin L. Increased parathyroid hormone secretion and hypocalcemia in experimental pancreatitis: Necessity for an intact thyroid gland, 773
—. (*See* Lesavoy, Norberg, and Kaplan), 325
Norton, L., and Eiseman, B. Replacement of portal vein during pancreatectomy for carcinoma, 280

O

Oboler, Allen. (*See* Absolon et al.), 275
O'Brien, Paul. (*See* Gordon et al.), 707
O'Donnell, T. F., Jr. (*See* Imamura et al.), 868
Olsen, Donald B. (*See* Oster et al.), 113
Onuigbo, Wilson I. B. Recognition and treatment of pathologic fractures in the nineteenth century, 553
Organ, Claude H., Jr. (*See* Margolis, Wayne, and Organ), 462
Orloff, Marshall J. (*See* Lee et al.), 144
Oster, Hartmut, Olsen, Donald B., Jarvik, Robert, Stanley, Theodore H., Volder, Jay G. R., and Kolff, W. J. Survival for 18 days with a Jarvik-type artificial heart, 113
Osteriout, S. (*See* Holland et al.), 75
Ouaknine, Georges. (*See* Mozes, Ouaknine, and Nathan), 299
Owens, William D., Dykes, Michael H. M., Gilbert, John P., McPeek, Bucknam, and Ettling, Mary B. Development of two indices of postoperative morbidity, 586

P

Painter, Jefferson C. (*See* Starling et al.), 562
Panke, William F. (*See* Moreno et al.), 167
Pappas, George, Winter, Sara D., Kopriva, Charles J., and Steele, Peter P. Improvement of myocardial and other vital organ functions and metabolism with a simple method of pulsatile flow (IABP) during clinical cardiopulmonary bypass, 34
Pathak, I. C. (*See* Nainan, Mitra, and Pathak), 697
Perkoff, Gerald T., Ballinger, Walter F., Turner, James K., and Kahn, Lawrence. Lack of effect of an experimental prepaid group practice on utilization of surgical care, 619
Peskin, G. W. (*See* Greenburg et al.), 799
Pichlmaier, H. (*See* Grundmann et al.), 451
Poirier, Normand L. (*See* Becker, Cockroft, and Poirier), 718
Pollock, Thomas W. (*See* Rosato et al.), 817
Porter, John M., Snider, Richard L., Bardana, Emil J., Rösch, Josef, and Eidemiller, Larry R. The diagnosis and treatment of Raynaud's phenomenon, 11
—. (*See* Snider and Porter), 557
Price, John B. (*See* Whittemore et al.), 419

R

Raab, M. (*See* Grundmann et al.), 451
Ranney, David F. (*See* Kahan et al.), 241
Ravitch, Mark M. Reply to Strauch (letter to editors), 612
—. Observations on the healing of wounds of the intestines, 665
Rayfield, David Lee, Vaught, Melvin, and Baxter, Charles R. Extravascular fibrinogen degradation in experimental burn wounds: A source of fibrin split products, 86
Reddy, Reddy V. (*See* Moreno et al.), 167
Reemtsma, Keith. (*See* Weber et al.), 208
Reese, Randy S. (*See* Cheung, Moody, and Reese), 786
Rehfeld, J. F. (*See* Stadil et al.), 345
Reynolds, David G. (*See* Jacques et al.), 577
Reznick, Steven E. (*See* Newman et al.), 154
Riihimaki, Daniel U. (*See* Silverstein et al.), 825
Rob, Charles G. (*See* Green, DeWeese, and Rob), 24
Roback, Stacy A. (*See* Wilson, Roback, and Leonard), 715
Robb, Herbert J., Timmis, Hilary H., and Roberts, Ronald. Use of the rotary rasp during the first rib removal for thoracic outlet syndrome (letter to editors), 331
Robbins, Philip L. (*See* Delaney, Broadie, and Robbins), 764
Roberts, Ronald. (*See* Robb, Timmis, and Roberts) (letter to editors), 331
Rodgers, R. E. (*See* Doyle et al.), 53
Romanoff, H. (*See* Freund, Romanoff, and Floman), 201
Rosato, Ernest F., Shumate, George R., Pollock, Thomas W., Adair, Linda, Rosato, Francis E., and Brooks, Frank P. Influence of antrectomy on gastrin release and gastric secretion in conscious monkeys, 817
Rosato, Francis E. (*See* Rosato et al.), 817
Rösch, Josef. (*See* Porter et al.), 11

ROSENBERG, J. C., LEKAS, NICHOLAS, LYSZ, KAREN, AND MORRELL, ROGER. Effect of antithymocyte globulin and other immune reactants on human platelets, 520
ROSENMAN, L. D. (*See* Ho and Rosenman), 505
ROSOFF, CHESTER B. (*See* Clagett et al.), 61
RUDER, ALANNAH. (*See* Kahan et al.), 241
RUSH, BENJAMIN F., JR. Axillary dissection in breast cancer: A staging procedure, 478
RUSSELL, THOMAS R., SEARLE, GILBERT L., AND JONES, R. SCOTT. The choleretic mechanisms of sodium taurocholate, secretin, and glucagon, 498
RUWART, MARY J. (*See* Kaminski, Ruwart, and Willman), 545
RYAN, KEVIN G. Eosinophilic infiltration of duodenum and pancreatic head: Report of a case studied arteriographically, 321
RYAN, N. T. (*See* Imamura et al.), 868

S

SABISTON, DAVID C., JR. (*See* Silver and Sabiston), 1
SADE, ROBERT M., AND CASTANEDA, ALDO R. The dispensable right ventricle, 624
SAJADIEH, V. (*See* Mosavy, Sajadieh, and Vakhshuri), 194
SALTZSTEIN, EDWARD C., AND FINE, STUART W. Renal autotransplantation and partial resection of the ureter for recurrent benign ureteral tumor, 607
SALZMAN, EDWIN W. (*See* Clagett et al.), 61
SALZMAN, H. A. (*See* Holland et al.), 75
SANTULLI, THOMAS V. (*See* Barlow and Santulli), 687
SATO, TOSHIO. (*See* Sekine et al.), 92
SAYEED, MOHAMMED M., CHUADRY, IRSHAD H., AND BAUE, ARTHUR E. Na^+-K^+ transport and adenosine nucleotides in the lung in hemorrhagic shock, 395
—. (*See* Chaudry, Sayeed, and Baue), 180
—. (*See* Chaudry, Sayeed, and Baue), 833
SCHARP, DAVID W., MURPHY, JAMES J., NEWTON, WILLIAM T., BALLINGER, WALTER F., AND LACY, PAUL E. Transplantation of islets of Langerhans in diabetic rhesus monkeys, 100
SCHLECH, BARRY A. (*See* Georgiade et al.), 569
SCHNEIDER, PETER. (*See* Clagett et al.), 61
SCHOLZ, PETER M., KINNEY, JOHN M., AND CHIEN, SHU. Effects of major abdominal operations on human blood rheology, 351
SCHUSTER, GARY. (*See* Silverstein et al.), 825
SCHWARTZ, EUGENE L. (*See* Ibrahim et al.), 285
SCHWARTZ, SEYMOUR I. (*See* Magilligan and Schwartz), 268
SCOTT, H. DENMAN, AND MACKIE, ANITA. Decisions to hospitalize and operate: A socioeconomic perspective in an urban state, 311
SCOTT, STEWART M. (*See* Crawford et al.), 150
SEKINE, TAKESHI, SATO, TOSHIO, MAKI, TETSUO, SHIRATORI, TSUNEO. Pylorus-preserving gastrectomy for gastric ulcer—One- to nine-year follow-up study, 92
SELINGER, SAMUEL L. (*See* Demling et al.), 512
SEPPÄLÄ, A. (*See* Huttunen et al.), 722
SETHI, GULSHAN K. (*See* Crawford et al.), 150
SHIRATORI, TSUNEO. (*See* Sekine et al.), 92
SHOEMAKER, WILLIAM C. (*See* Baek et al.), 632
SHUMAN, L. (*See* Funovics et al.), 661
SHUMATE, GEORGE R. (*See* Rosato et al.), 817
SHUMWAY, NORMAN E. (*See* Stinson et al.), 861
SILBER, SHERMAN JAY. Transplantation of rat kidneys with acute tubular necrosis into salt-loaded and normal recipients, 487
SILEN, WILLIAM. (*See* Gordon et al.), 707
SILVER, DONALD, AND SABISTON, DAVID C., JR. The role of vena caval interruption in the management of pulmonary embolism, 1
SILVERSTEIN, MELVIN J., BYRON, RALPH L., JR., RIIHIMAKI, DANIEL U., SCHUSTER, GARY, AND YONEMOTO, ROBERT H. Bilateral adrenalectomy for advanced breast cancer: A 21 year experience, 825
SIMMONS, RICHARD L., AND NAJARIAN, JOHN S. Reply to Starzl (letter to editors), 494
SKILLMAN, JOHN J. (*See* Gordon et al.), 707
SMITH, ROBERT B., III. (*See* Barreca, Smith, and King), 45
SNIDER, RICHARD L., AND PORTER, JOHN M. Treatment of experimental frostbite with intra-arterial sympathetic blocking drugs, 557
—. (*See* Porter et al.), 11
SPARKS, FRANK C. (*See* Storm et al.), 261
SPIES, FREDERIC K., WEISS, JOHN B., AND CAMPBELL, GILBERT S. Teaching law students in the medical schools, 793
SPRAYREGEN, SEYMOUR. (*See* Dardik et al.), 249
STADIL, F., MALMSTRØM, J., MIYATA, M., AND REHFELD, J. F. Effect of histamine on immunoreactive gastrin in gastric juice and in serum, 345
STANLEY, THEODORE H. (*See* Oster et al.), 113
STARLING, JAMES R., MURRAY, GORDON F., ADAMS, KIRKWOOD, PAINTER, JEFFERSON C., AND JOHNSON, GEORGE. Erythrocyte filterability and lysosomal enzymes in patients requiring cardiopulmonary bypass, 562
STARZEWSKI, J. (*See* Tobik, Lukasiewicz, and Starzewski), 225
STARZL, THOMAS E. Renal transplantation in children (letter to editors), 473
STAUB, NORMAN C. (*See* Demling et al.), 512
STEELE, PETER P. (*See* Pappas et al.), 34
STERN, JEFFREY L., DENMAN, SUSAN, ELIAS, ELIAS G., DIDOLKAR, MUKUND, AND HOLYOKE E. DOUGLAS. Evaluation of palliative resection in advanced carcinoma of the stomach, 291
STINSON, EDWARD B., GRIEPP, RANDALL B., BIEBER, CHARLES P., AND SHUMWAY, NORMAN E. Aortic valve allografts for mitral valve replacement, 861
STORM, F. KRISTIAN, GIERSON, EUGENE D., SPARKS, FRANK C., AND BARKER, WILEY F. Autogenous vein bypass grafts: Biological effects of mechanical dilatation and adventitial stripping in dogs, 261
STRAUCH, GERALD O. Pediatric surgeons, numbers, and quality of care (letter to editors), 612
STRAUSS, ROGER B. (*See* Newman et al.), 154
STUBBS, J. A. (*See* Greenburg et al.), 799
STUCKEY, JACKSON H. (*See* Newman et al.), 154
SWAN, KENNETH G. (*See* Lavigne et al.), 439
—. (*See* Jacques et al.), 577
SWARM, RICHARD L. (*See* Morrissey et al.), 851
SZABO, STEPHEN. (*See* Linn and Szabo), 780

T

TAKARO, TIMOTHY. (*See* Crawford et al.), 150
TAKEUCHI, SINJIN. (*See* Itoh et al.), 648
TENERY, JOHN H. (*See* Georgiade et al.), 569
TERNBERG, JESSIE L. (*See* Bell and Ternberg), 617

THORÉN, LARS. (*See* Johansson et al.), 691
TILSON, M. DAVID, BOYER, JAMES L., AND WRIGHT, HASTINGS K. Jejunal absorption of bile salts after resection of the ileum, 231
TIMMIS, HILARY H. (*See* Robb, Timmis, and Roberts) (letter to editors), 331
TOBIK, S., LUKASIEWICZ, S., AND STARZEWSKI, J. An attempt at forming an effective gastro-esophageal mucosal valve, 225
TRERICE, M. (*See* Imamura et al.), 868
TURNER, JAMES K. (*See* Perkoff et al.), 619
TURNER, M. DON. (*See* Culpepper et al.), 126
TURTINEN, LLOYD. (*See* Zinner, Turtinen, and Gurll), 807

V

VAKHSHURI, P. (*See* Mosavy, Sajadieh, and Vakhshuri), 194
VALERI, C. R. (*See* Dennis et al.), 741
VASKO, JOHN S. (*See* Kakos et al.), 748
VAUGHT, MELVIN. (*See* Rayfield, Vaught, and Baxter), 86
VEITH, FRANK J. (*See* Dardik et al.), 249
VELEZ-GIL, ADOLFO, WILSON, DEAN, AND NEL PELAEZ, ROBERTO. A simplified system for surgical operations: The economics of treating hernia, 391
VITO, LOUIS. (*See* Dennis et al.), 741
VOLDER, JAY G. R. (*See* Oster et al.), 113
VOORHEES, ARTHUR B., JR. (*See* Whittemore et al.), 419

W

WANGENSTEEN, OWEN H., AND WANGENSTEEN, SARAH D. The surgical amphitheatre, history of its origins, functions, and fate, 402
WANGENSTEEN, SARAH D. (*See* Wangensteen and Wangensteen), 402
WARDEN, GLEN. (*See* Weber et al.), 208
WAY, LAWRENCE W., CAIRNS, DAVID W., AND DEVENEY, CLIFFORD W. The intestinal phase of gastric secretion: A pharmacological profile of entero-oxyntin, 841
WAYNE, ROBERT. (*See* Margolis, Wayne, and Organ), 462
WEBER, COLLIN, WEIL, RICHARD, III, MCINTOSH, RAWLE, HOGLE, HUGH, WARDEN, GLEN, AND REEMTSMA, KEITH. Xenotransplantation of piscine islets into hyperglycemic rats, 208
WEIL, RICHARD, III. (*See* Weber et al.), 208
WEISEL, RICHARD D. (*See* Dennis et al.), 741
WEISS, JOHN B. (*See* Spies, Weiss, and Campbell), 793
WERNER, IVAR. (*See* Johansson et al.), 691
WHITTEMORE, ANTHONY D., KASUYA, MORIMASA, VOORHEES, ARTHUR B., JR., AND PRICE, JOHN B. Hepatic regeneration in the absence of portal viscera, 419
WICKBOM, G. (*See* Maher et al.), 255
WILLIAMS, THOMAS E., JR. (*See* Kakos et al.), 748
WILLMAN, VALLEE L. (*See* Kaminski, Ruwart, and Willman), 545
WILSON, DEAN. (*See* Velez-Gil, Wilson, and Nel Pelaez), 391
WILSON, VIRGINIA, ROBACK, STACY A., AND LEONARD, ARNOLD S. A new appliance for the premature or newborn baby with intestinal stoma, 715
WINTER, SARA D. (*See* Pappas et al.), 834
WOLFE, W. G. (*See* Holland et al.), 15
WOODS, JOHN E. (*See* Zincke et al.), 444
WOODWARD, E. R. (*See* Maher et al.), 255
WRIGHT, CREIGHTON B. (*See* Gervasi, Mason, and Wright), 186
—. (*See* Mason et al.), 235
—. (*See* Hobson, Wright, and Lamoy), 304
WRIGHT, HASTINGS, K. (*See* Tilson, Boyer, and Wright), 231
WRIGHT, PETER D., AND JOHNSTON, IVAN D. A. The effect of surgical operation on growth hormone levels in plasma, 479

Y

YAO, JAMES S. T. (*See* Bergan, Dean, and Yao), 338
YONEMOTO, ROBERT H. (*See* Silverstein et al.), 825
YU, HENRY H. Y., AND LEONG, C. H. Carcinoma of the urachus: Report of one case and a review of the literature, 726

Z

ZAWACKI, BRUCE E. The effect of Travase on heat-injured skin, 132
ZINCKE, HORST, WOODS, JOHN E., AGUILO, JUAN J., LEARY, FRANK J., DEWEERD, JAMES H., FROHNERT, PETER P., AND HATTERY, ROBERT R. Experience with lymphoceles after renal transplantation, 444
ZINNER, MICHAEL J., TURTINEN, LLOYD, AND GURLL, NELSON J. The role of acid and ischemia in production of stress ulcers during canine hemorrhagic shock, 807
ZUIDEMA, GEORGE D. (*See* Cameron, Zuidema, and Margolis), 754

SUBJECT INDEX*

A

Abdominal aorta, infrarenal, complete occlusion of: management and results in 64 patients (Liddicoat et al.), 467
sudden occlusion of, due to blunt trauma, neurological deficit associated with (Mozingo and Denton), 118
aortic aneurysm, ruptured (Hildebrand and Fry), 540
operations, major, effects of, on human blood rheology (Scholz, Kinney, and Chien), 351
Absorption, jejunal, of bile salts after resection of ileum (Tilson, Boyer, and Wright), 231
Academic surgery, first-time jobs in (Jaffee) (letter to editors), 613
Acid, chenodeoxycholic, toxicity of, in nonhuman primate (Morrissey et al.), 851
5-hydroxyindoleacetic, and plasma serotonin levels, portal vein, effect of high cervical cordotomy on, in dogs with and without superior mesenteric artery occlusion (Newman et al.), 154
in gastric juice in man and dog, significance of: negative feedback mechanism of gastric acid secretion (Itoh et al.), 648
gastric, secretion, negative feedback mechanism of: significance of acid in gastric juice in man and dog (Itoh et al.), 648
and ischemia, role of, in production of stress ulcers during canine hemorrhagic shock (Zinner et al.), 807
secretion and gastrin release, effect of vagal stimulation on (Maher et al.), 255
Acidosis, early, of burns: its relationship to extent of burn and management (Eggleston and Feierabend), 641
"respiratory" and "metabolic," depression of human myocardial contractility with (Cingolani et al.), 427
Adenine nucleotides, degradation of, by soleus muscle in hemorrhagic shock (Chaudry, Sayeed, and Baue), 180
Adenocarcinoma, primary, of jejunum and coexisting primary adenocarcinoma of vermiform appendix: case report (Coblentz and Filippone), 160
vermiform appendix, coexisting, and primary adenocarcinoma of jejunum: case report (Coblentz and Filippone), 160
Adenoma, liver cell, hemoperitoneum from, in patient on oral contraceptives (Antoniades and Brooks), 137
villous, complete invagination of vermiform appendix with, intussuscepting to splenic flexure of colon (Ho and Rosenman), 505
Adenosine nucleotides and Na^+-K^+ transport in lung in hemorrhagic shock (Sayeed, Chaudry, and Baue), 395
triphosphate, evidence for enhanced uptake of, by muscle of animals in shock (Chaudry, Sayeed, and Baue), 833

*January, pp. 1-164; February, pp. 165-332; March, pp. 333-474; April, pp. 475-614; May, pp. 615-734; June, pp. 735-902.

Adrenalectomy, bilateral, for advanced breast cancer: 21 year experience (Silverstein et al.), 825
Adrenergic mechanisms in cephalic and cerebral circulations of subhuman primate (Hobson, Wright, and Lamoy), 304
hindlimb circulation of baboons (Jacques et al.), 577
Adventitial stripping and mechanical dilatation in dogs, biological effects of: autogenous vein bypass grafts (Storm et al.), 261
Aggregates, platelet, and platelets, dynamics of: evaluation of blood filters (Mason et al.), 235
Alcoholic pancreatitis, pathogenesis for (Cameron, Zuidema, and Margolis), 754
Allograft(s), aortic valve, for mitral valve replacement (Stinson et al.), 861
failure, human renal, and serum lactic dehyrogenase (Anderson et al.), 674
Allotransplantation, successful orthotopic, of hearts from dogs in irreversible shock (Culpepper et al.), 126
Amphitheatre, surgical, history of its origins, functions, and fate (Wangensteen and Wangensteen), 403
Anal transplant, perineal, in anorectal malformation in female patients (Nainan, Mitra, and Pathak), 697
Anastomosis, portacaval, in rat, improved nonsuture method for (Funovics et al.), 661
Aneurysm, ruptured abdominal aortic (Hildebrand and Fry), 540
Angiographic evidence, correlation with assessment of arterial obstruction in vessels supplying fingers by measurement of local blood pressures and skin temperature response test (Downs et al.), 530
Angulation and elongation of carotid artery, significance of: negative view (Perdue et al.), 45
Animal(s) model, enterocolitis in, importance of multiple episodes of hypoxia or cold stress on (Barlow and Santulli), 687
in shock, muscle of, evidence for enhanced uptake of adenosine triphosphate by (Chaudry, Sayeed, and Baue), 833
Anorectal abnormalities, early repair of (Bell and Ternberg) (editorial), 617
malformation in female patients, perineal anal transplant in (Nainan, Mitra, and Pathak), 697
Antibacterial agents, varying sensitivity to, of micro-organisms in pure vs. mixed cultures (Linn and Szabo), 780
Antithymocyte globulin and other immune reactants, effect of, on human platelets (Rosenberg et al.), 520
Antrectomy, influence of, on gastrin release and gastric secretion in conscious monkeys Rosato et al.), 817
Aorta, abdominal, sudden occlusion of, due to blunt trauma, neurological deficit associated with (Mozingo and Denton), 118
infrarenal abdominal, complete occlusion of: management and results in 64 patients (Liddicoat et al.), 467

Aorta—Cont'd
resected descending thoracic, extrathoracic axillary-iliac bypass substitution of (Absolon et al.), 275
Aortic aneurysm, ruptured abdominal (Hildebrand and Fry), 540
bifurcation graft(s) and axillofemoral bypass, infected, excision of: case report (Becker, Cockroft, and Poirier), 718
femorofemoral grafts for unilateral occlusion of (Crawford et al.), 150
valve allografts for mitral valve replacement (Stinson et al.), 861
Aortocoronary bypass, transmyocardial left-to-right shunt complicating acute inferior wall myocardial infarction after (Ibrahim et al.), 285
Appendix, vermiform, coexisting primary adenocarcinoma of, and primary adenocarcinoma of jejunum: case report (Coblentz and Filippone), 160
with villous adenoma, complete invagination of, intussuscepting to splenic flexure of colon (Ho and Rosenman), 505
Arterial embolectomy before and after Fogarty catheter (Green, DeWeese, and Rob), 24
lower limb, mortality rate following: causative factors (Freund, Romanoff, and Floman), 201
obstruction in vessels supplying fingers, assessment of, by measurement of local blood pressures and skin temperature response test—correlation with angiographic evidence (Downs et al.), 530
Arteriographically studied case, report of: eosinophilic infiltration of duodenum and pancreatic head (Ryan), 321
Arteriovenous fistula, femoral, canine, hemodynamics within (Lavigne et al.), 439
Artery, axillary, use of, in complex cerebral revascularization (Bergan, Dean, and Yao), 338
carotid, significance of elongation and angulation of: negative view (Perdue et al.), 45
coronary, collateral formation, effects of pharmacological myocardial depression on (Kakos et al.), 748
femoral, "stripping," inadvertent: surgical management (Liddicoat et al.), 318
stenosis, homotransplant renal (Doyle et al.), 53
superior mesenteric, occlusion, dogs with and without, effect of high cervical cordotomy on portal vein plasma serotonin and 5-hydroxyindoleacetic acid levels in (Newman et al.), 154
Artificial heart, Jarvik-type, survival for 18 days with (Oster et al.), 113
Aspirin, bile salt, and ethanol, effect of, on canine gastric mucosal blood flow (Cheung, Moody, and Reese), 786
influence of, on postoperative platelet kinetics and venous thrombosis (Clagett et al.), 61
Atresia, congenital biliary, bile lakes in (Fonkalsrud and Arima), 384
Augmentation, cryosurgical, of tumor immunity, in vitro demonstration of (Faraci et al.), 433
Autogenous vein bypass grafts: biological effects of mechanical dilatation and adventitial stripping in dogs (Storm et al.), 261
Autotransplantation, renal, and partial resection of ureter for recurrent benign ureteral tumor (Saltzstein and Fine), 607
Axillary artery, use of, in complex cerebral revascularization (Bergan, Dean, and Yao), 338
dissection in breast cancer: staging procedure (Rush) (editorial), 478
-iliac, extrathoracic, bypass substitution of resected descending thoracic aorta (Absolon et al.), 275
Axillofemoral bypass and aortic bifurcation graft, infected, excision of: case report (Becker, Cockroft, and Poirier), 718

B

Baboons, hindlimb circulation of, adrenergic mechanisms in (Jacques et al.), 577
Baby, premature or newborn, with intestinal stoma, new appliance for (Wilson, Roback, and Leonard), 715
Bifurcation graft(s), aortic, and axillofemoral bypass, infected, excision of: case report (Becker, Cockroft, and Poirier), 718
femorofemoral grafts for unilateral occlusion of (Crawford et al.), 150
Bilateral adrenalectomy for advanced breast cancer: 21 year experience (Silverstein et al.), 825
Bile lakes in congenital biliary atresia (Fonkalsrud and Arima), 384
salt, aspirin, and ethanol, effect of, on canine gastric mucosal blood flow (Cheung, Moody, and Reese), 786
jejunal absorption of, after resection of ileum (Tilson, Boyer, and Wright), 231
Biliary atresia, congenital, bile lakes in (Fonkalsrud and Arima), 384
Biological effects of mechanical dilatation and adventitial stripping in dogs: autogenous vein bypass grafts (Storm et al.), 261
Bioscience and technological momentum, effect of, on surgical treatment of chronic illness (Kountz), 735
Blocking drugs, intra-arterial sympathetic, treatment of experimental frostbite with (Snider and Porter), 557
Blood filters, evaluation of: dynamics of platelets and platelet aggregates (Mason et al.), 235
flow, canine gastric mucosal, effect of aspirin, bile salt, and ethanol on (Cheung, Moody, and Reese), 786
human, rheology, effects of major abdominal operations on (Scholz, Kinney, and Chien), 351
pressures, local, and skin temperature response test, assessment of arterial obstruction in vessels supplying fingers by measurement of—correlation with angiographic evidence (Downs et al.), 530
Breast cancer, advanced, bilateral adrenalectomy for: 21 year experience (Silverstein et al.), 825
axillary dissection in: staging procedure (Rush) (editorial), 478
British surgical centers, observations by James IV traveler on (Cameron), 360
Burn(s), early acidosis of: its relationship to extent of burn and management (Eggleston and Feierabend), 641
and management, extent of, early acidosis of burns, relationship of, to (Eggleston and Feierabend), 641
wounds, experimental, extravascular fibrinogen degradation in: source of fibrin split products (Curreri et al.), 86

Bypass, aortocoronary, transmyocardial left-to-right shunt complicating acute inferior wall myocardial infarction after (Ibrahim et al.), 285
axillofemoral, and aortic bifurcation graft, infected, excision of: case report (Becker, Cockroft, and Poirier), 718
cardiopulmonary, erythrocyte filterability and lysosomal enzymes in patients requiring (Starling et al.), 562
clinical cardiopulmonary, improvement of myocardial and other vital organ functions and metabolism with simple method of pulsatile flow (IABP) during (Pappas et al.), 34
extrathoracic axillary-iliac, substitution of resected descending thoracic aorta (Absolon et al.), 275
grafts, autogenous vein: biological effects of mechanical dilatation and adventitial stripping in dogs (Storm et al.), 261
procedures, small-vessel, of lower extremity, patient selection and improved technical factors in (Dardik et al.), 249

C

Cancer, advanced breast, bilateral adrenalectomy for: 21 year experience (Silverstein et al.), 825
breast, axillary dissection in: staging procedure (Rush) (editorial), 478
Canine femoral arteriovenous fistula, hemodynamics within (Lavigne et al.), 439
gastric mucosal blood flow, effect of aspirin, bile salt, and ethanol on (Cheung, Moody, and Reese), 786
hemorrhagic shock, role of acid and ischemia in production of stress ulcers during (Zinner et al.), 807
and human gastric mucosa, effect of carbenoxolone on changes in, caused by taurocholate and ethanol (Gordon et al.), 707
pancreatic exocrine function, effect of electrical vagal stimulation on (Kaminski, Ruwart, and Willman), 545
Carbenoxolone, effect of, on changes in canine and human gastric mucosa caused by taurocholate and ethanol (Gordon et al.), 707
Carcinoma, advanced, of stomach, palliative resection in (Stern et al.), 291
replacement of portal vein during pancreatectomy for (Norton and Eiseman), 280
of urachus: report of one case and review of literature (Yu and Leong), 726
Cardiopulmonary bypass, clinical, improvement of myocardial and other vital organ functions and metabolism with simple method of pulsatile flow (IABP) during (Pappas et al.), 34
erythrocyte filterability and lysosomal enzymes in patients requiring (Starling et al.), 562
Carotid artery, significance of elongation and angulation of: negative view (Perdue et al.), 45
Carrel-Guthrie controversy (Dos) (letter to editors), 330
Catheter, Fogarty, arterial embolectomy before and after (Green, DeWeese, and Rob), 24
Cell, red, transfusions, high 2-3 diphosphoglycerate, improved myocardial performance following (Dennis et al.), 741
Cephalic and cerebral circulations of subhuman primate, adrenergic mechanisms in (Hobson, Wright, and Lamoy), 304
Cerebral and cephalic circulations of subhuman primate, adrenergic mechanisms in (Hobson, Wright, and Lamoy), 304
revascularization, complex, use of axillary artery in (Bergan, Dean, and Yao), 338
Cervical cordotomy, high, effect of, on portal vein plasma serotonin and 5-hydroxyindoleacetic acid levels in dogs with and without superior mesenteric artery occlusion (Newman et al.), 154
Chenodeoxycholic acid, toxicity of, in nonhuman primate (Morrissey et al.), 851
Children, renal transplantation in (Starzl) (letter to editors), 473; reply (Simmons and Najarian), 474
Choleretic mechanisms of sodium taurocholate, secretin, and glucagon (Russell, Searle, and Jones), 498
Chronic illness, effect of bioscience and technological momentum on surgical treatment of (Kountz), 735
Circulation(s), cephalic and cerebral, of subhuman primate, adrenergic mechanisms in (Hobson, Wright, and Lamoy), 304
hindlimb, of baboons, adrenergic mechanisms in (Jacques et al.), 577
Clearance patterns, free-water, as predictors and therapeutic guides in acute renal failure (Baek et al.), 632
Clipping, inferior vena caval, mortality and morbidity rates after (Couch, Baldwin, and Crane), 106
Clostridial myonecrosis, experimental and clinical experience with hyperbaric oxygen in treatment of (Holland et al.), 75
Cold stress or hypoxia, importance of multiple episodes of, on development of enterocolitis in animal model (Barlow and Santulli), 687
Collateral formation, coronary artery, effects of pharmacological myocardial depression on (Kakos et al.), 748
Colon, splenic flexure of, complete invagination of vermiform appendix with villous adenoma, intussuscepting to (Ho and Rosenman), 505
Community practice, time utilization of population of general surgeons in (Hughes, Lewit, and Lorenzo), 371
Computer logic programs (Fielding) (letter to editors), 730; reply (Knutson), 731
Computerization of surgical intensive care unit: improvement of patient care via education (Greenburg et al.), 799
Congenital biliary atresia, bile lakes in (Fonkalsrud and Arima), 384
Contraceptives, oral, hemoperitoneum from liver cell adenoma in patient on (Antoniades and Brooks), 137
Contractility, human myocardial, depression of, with "respiratory" and "metabolic" acidosis (Cingolani et al.), 427
Cordotomy, high cervical, effect of, on portal vein plasma serotonin and 5-hydroxyindoleacetic acid levels in dogs with and without superior mesenteric artery occlusion (Newman et al.), 154
Coronary artery collateral formation, effects of pharmacological myocardial depression on (Kakos et al.), 748

Cryosurgical augmentation of tumor immunity, in vitro demonstration of (Faraci et al.), 433
Cultures, pure vs. mixed, varying sensitivity to antibacterial agents of micro-organisms in (Linn and Szabo), 780
Cyst(s), echinococcal, beyond pulmonary sieve (Mosavy, Sajadieh, and Vakhshuri), 194
parathyroid: functional and mediastinal (Margolis, Wayne, and Organ), 462

D

Degradation of adenine nucleotides by soleus muscle in hemorrhagic shock (Chaudry, Sayeed, and Baue), 180
extravascular fibrinogen, in experimental burn wounds: source of fibrin split products (Curreri et al.), 86
Dehyrogenase, serum lactic, and human renal allograft failure (Anderson et al.), 674
Depression of human myocardial contractility with "respiratory" and "metabolic" acidosis (Cingolani et al.), 427
pharmacological myocardial, effects of, on coronary artery collateral formation (Kakos et al.), 748
Dermatome, adjustable razor: another efficient, economical, and portable dermatome (Huang), 703
another efficient, economical, and portable: adjustable razor dermatome (Huang), 703
Descending thoracic aorta, resected, extrathoracic axillary-iliac bypass substitution of (Absolon et al.), 275
Diabetic rhesus monkeys, transplantation of islets of Langerhans in (Scharp et al.), 100
Dilatation, mechanical, and adventitial stripping in dogs, biological effects of: autogenous vein bypass grafts (Storm et al.), 261
Diphosphoglycerate, high 2-3, red cell transfusions, improved myocardial performance following (Dennis et al.), 741
Dispensable right ventricle (Sade and Castaneda), 624
Dissection, axillary, in breast cancer: staging procedure (Rush) (editorial), 478
Dog(s) in irreversible shock, successful orthotopic allotransplantation of hearts from (Culpepper et al.), 126
and man, significance of acid in gastric juice in: negative feedback mechanism of gastric acid secretion (Itoh et al.), 648
mechanical dilatation and adventitial stripping in, biological effects of: autogenous vein bypass grafts (Storm et al.), 261
with and without superior mesenteric artery occlusion, effect of high cervical cordotomy on portal vein plasma serotonin and 5-hydroxyindoleacetic acid levels in (Newman et al.), 154
Donor, single, HL-A matched platelet transfusions for thrombocytopenic patients undergoing surgery (Kahan et al.), 241
Doppler studies outside United States (Müller and Gonzalez) (letter to editors), 733; reply (LoGerfo and Mason), 734
Duhamel-Grob-Martin operation, modification of, for treatment of Hirschsprung's disease, experience with (Hung), 680
Duodenum and pancreatic head, eosinophilic infiltration of: report of case studied arteriographically (Ryan), 321

E

Echinococcal cyst beyond pulmonary sieve (Mosavy, Sajadieh, and Vakhshuri), 194
Economics of treating hernia: simplified system for surgical operations (Velez-Gil, Wilson, and Nel Pelaez), 391
Electrical vagal stimulation, effect of, on canine pancreatic exocrine function (Kaminski, Ruwart, and Willman), 545
Elongation and angulation of carotid artery, significance of: negative view (Perdue et al.), 45
Embolectomy, arterial, before and after Fogarty catheter (Green, DeWeese, and Rob), 24
lower limb arterial, mortality rate following: causative factors (Freund, Romanoff, and Floman), 201
Embolism, pulmonary, role of vena caval interruption in management of (Silver and Sabiston), 1
Endotoxin shock, mechanism of heparin protection in (Gans), 602
Enterocolitis in animal model, importance of multiple episodes of hypoxia or cold stress on (Barlow and Santulli), 687
Entero-oxyntin, pharmacological profile of: intestinal phase of gastric secretion (Way, Cairns, and Deveney), 841
Ethanol, aspirin, and bile salt, effect of, on canine gastric mucosal blood flow (Cheung, Moody, and Reese), 786
and taurocholate, effect of carbenoxolone on changes in canine and human gastric mucosa caused by (Gordon et al.), 707
Entrapment, saphenous nerve, simulating vascular disorder (Mozes, Ouaknine, and Nathan), 299
Enzymes, lysosomal, and erythrocyte filterability in patients requiring cardiopulmonary bypass (Starling et al.), 562
Eosinophilic infiltration of duodenum and pancreatic head: report of case studied arteriographically (Ryan), 321
Erythrocyte filterability and lysosomal enzymes in patients requiring cardiopulmonary bypass (Starling et al.), 562
Exocrine function, canine pancreatic, effect of electrical vagal stimulation on (Kaminski, Ruwart, and Willman), 545
Extrathoracic axillary-iliac bypass substitution of resected descending thoracic aorta (Absolon et al.), 275
Extravascular fibrinogen degradation in experimental burn wounds: source of fibrin split products (Curreri et al.), 86
Extremity, lower, small-vessel bypass procedures of, patient selection and improved technical factors in (Dardik et al.), 249

F

Fat and solid filtration in clinical perfusions (Clark, Margraf, and Beauchamp), 216
Feedback mechanism, negative, of gastric acid secretion: significance of acid in gastric juice in man and dog (Itoh et al.), 648
Femoral arteriovenous fistula, canine, hemodynamics within (Lavigne et al.), 439
artery "stripping," inadvertent: surgical management (Liddicoat et al.), 318
Femorofemoral grafts for unilateral occlusion of aortic bifurcation grafts (Crawford et al.), 150

Fibrin split products, source of: extravascular fibrinogen degradation in experimental burn wounds (Curreri et al.), 86
Fibrinogen degradation, extravascular, in experimental burn wounds: source of fibrin split products (Curreri et al.), 86
Filterability, erythrocyte, and lysosomal enzymes in patients requiring cardiopulmonary bypass (Starling et al.), 562
Filters, blood, evaluation of: dynamics of platelets and platelet aggregates (Mason et al.), 235
ultrapore, filtration limitations of (Gervin, Mason, and Wright), 186
Filtration, fat and solid, in clinical perfusions (Clark, Margraf, and Beauchamp), 216
limitations of ultrapore filters (Gervin, Mason, and Wright), 186
pulmonary microvascular fluid, and protein permeability in sheep, effect of acute hemorrhagic shock on (Demling et al.), 512
Fingers, assessment of arterial obstruction in vessels supplying, by measurement of local blood pressures and skin temperature response test—correlation with angiographic evidence (Downs et al.), 530
First rib removal for thoracic outlet syndrome, use of rotary rasp during (Robb, Timmis, and Roberts) (letter to editors), 331
Fistula, femoral arteriovenous, canine, hemodynamics within (Lavigne et al.), 439
Flexure, splenic, of colon, complete invagination of verniform appendix with villous adenoma, intussuscepting to (Ho and Rosenman), 505
Flow, pulsatile (IABP), simple method of, improvement of myocardial and other vital organ function and metabolism with, during clinical cardiopulmonary bypass (Pappas et al.), 34
rate and perfusion pressure, analysis of optimal, of renal vascular resistance and oxygen consumption in hypothermic perfused kidney (Grundmann et al.), 451
Fluid filtration, pulmonary microvascular, and protein permeability in sheep, effect of acute hemorrhagic shock on (Demling et al.), 512
Fogarty catheter, arterial embolectomy before and after (Green, DeWeese, and Rob), 24
Fractures, pathologic, in nineteenth century, recognition and treatment of (Onuigbo), 553
Free-water clearance patterns as predictors and therapeutic guides in acute renal failure (Baek et al.), 632
Frostbite, experimental, treatment of, with intra-arterial sympathetic blocking drugs (Snider and Porter), 557

G

Gastrectomy, pylorus-preserving, for gastric ulcer—one- to nine-year follow-up study (Sekine et al.), 92
Gastric acid secretion, negative feedback mechanism of: significance of acid in gastric juice in man and dog (Itoh et al.), 648
juice, acid in, in man and dog, significance of: negative feedback mechanism of gastric acid secretion (Itoh et al.), 648
and serum, immunoreactive gastrin in, effect of histamine on (Stadil et al.), 345
Gastric—Cont'd
mucosa, canine and human, effect of carbenoxolone on changes in, caused by taurocholate and ethanol (Gordon et al.), 707
mucosal blood flow, canine, effect of aspirin, bile salt, and ethanol on (Cheung, Moody, and Reese), 786
secretion, gastrin release and, influence of antrectomy on, in conscious monkeys (Rosato et al.), 817
intestinal phase of: pharmacological profile of entero-oxyntin (Way, Cairns, and Deveney), 841
ulcer, pylorus-preserving gastrectomy for—one- to nine-year follow-up study (Sekine et al.), 92
vagotomy, selective and proximal, accidents and complications in (Kalaja et al.), 140
Gastrin, immunoreactive, in gastric juice and in serum, effect of histamine on (Stadil et al.), 345
release and acid secretion, effect of vagal stimulation on (Maher et al.), 255
gastric secretion, influence of antrectomy on, in conscious monkeys (Rosato et al.), 817
Gastritis, pyloric reflux: offending agent (Delaney, Broadie, and Robbins), 764
Gastroesophageal mucosal valve, effective, attempt at forming (Tobik, Lukasiewicz, and Starzewski), 225
General surgeons, time utilization of population of, in community practice (Hughes, Lewit, and Lorenzo), 371
Gland, intact thyroid, necessity for: increased parathyroid hormone secretion and hypocalcemia in experimental pancreatitis (Norberg, DeRoos, and Kaplan), 773
Globulin, antithymocyte, and other immune reactants, effect of, on human platelets (Rosenberg et al.), 520
Glucagon, sodium taurocholate, and secretin, choleretic mechanisms of (Russell, Searle, and Jones), 498
Glucogenesis, liver metabolism and, in trauma and sepsis (Imamura et al.), 861
Goiter, substernal, with superior vena caval obstruction (Lesavoy, Norberg, and Kaplan), 325
Graft(s), aortic bifurcation, and axillofemoral bypass, infected, excision of: case report (Becker, Cockroft, and Poirier), 718
femorofemoral grafts for unilateral occlusion of (Crawford et al.), 150
autogenous vein bypass: biological effects of mechanical dilatation and adventitial stripping in dogs (Storm et al.), 261
femorofemoral, for unilateral occlusion of aortic bifurcation grafts (Crawford et al.), 150
Grob-Martin, Duhamel-, operation, modification of, for treatment of Hirschsprung's disease, experience with (Hung), 680
Group practice, experimental prepaid, lack of effect of, on utilization of surgical care (Perkoff et al.), 619
Growth hormone levels in plasma, effect of surgical operation on (Wright and Johnston), 479
in surgical stress (Newsome) (editorial), 475
Guthrie-Carrel controversy (Dos), (letter to editors), 330

H

Healing of wounds of intestines, observations on (Ravitch), 665

Heart(s), artificial, Jarvik-type, survival for 18 days with (Oster et al.), 113
from dogs in irreversible shock, successful orthotopic allotransplantation of (Culpepper et al.), 126
Heat-injured skin, effect of Travase on (Zawacki), 132
Hemodynamics of portal hypertension revisited: determinants and significance of occluded portal pressures (Moreno et al.), 167
within canine femoral arteriovenous fistula (Lavigne et al.), 439
Hemoperitoneum from liver cell adenoma in patient on oral contraceptives (Antoniades and Brooks), 137
Hemorrhagic shock, acute, effect of, on pulmonary microvascular fluid filtration and protein permeability in sheep (Demling et al.), 512
canine, role of acid and ischemia in production of stress ulcers during (Zinner et al.), 807
degradation of adenine nucleotides by soleus muscle in (Chaudry, Sayeed, and Baue), 180
lung in, Na^+-K^+ transport and adenosine nucleotides in (Sayeed, Chaudry, and Baue), 395
Heparin protection in endotoxin shock, mechanism of (Gans), 602
Hepatic regeneration in absence of portal viscera (Whittemore et al.), 419
surgery, reflections on selected historical highlights in field of: tradition and innovation (Gans), 593
Hernia, economics of treating: simplified system for surgical operations (Velez-Gil, Wilson, and Nel Palaez), 391
High cervical cordotomy, effect of, on portal vein plasma serotonin and 5-hydroxyindoleacetic acid levels in dogs with and without superior mesenteric artery occlusion (Newman et al.), 154
Hindlimb circulation of baboons, adrenergic mechanisms in (Jacques et al.), 577
Hirschsprung's disease, experience with modification of Duhamel-Grob-Martin operation for treatment of (Hung), 680
Histamine, effect of, on immunoreactive gastrin in gastric juice and in serum (Stadil et al.), 345
HL-A matched, single donor platelet transfusions for thrombocytopenic patients undergoing surgery (Kahan et al.), 241
Homotransplant renal artery stenosis (Doyle et al.), 53
Hormone, growth, levels in plasma, effect of surgical operation on (Wright and Johnston), 479
in surgical stress (Newsome) (editorial), 475
parathyroid, secretion, increased, and hypocalcemia in experimental pancreatitis: necessity for intact thyroid gland (Norberg, DeRoos, and Kaplan), 773
Hospitalize and operate, decisions to: socioeconomic perspective in urban state (Scott and Mackie), 311
Human blood rheology, effects of major abdominal operations on (Scholz, Kinney, and Chien), 351
and canine gastric mucosa, effect of carbenoxolone on changes in, caused by taurocholate and ethanol (Gordon et al.), 707
Human—Cont'd
myocardial contractility, depression of, with "respiratory" and "metabolic" acidosis (Cingolani et al.), 427
platelets, effect of antithymocyte globulin and other immune reactants on (Rosenberg et al.), 520
renal allograft failure and serum lactic dehydrogenase (Anderson et al.), 674
5-Hydroxyindoleacetic acid and plasma serotonin levels, portal vein, effect of high cervical cordotomy on, in dogs with and without superior mesenteric artery occlusion (Newman et al.), 154
Hyperbaric oxygen, experimental and clinical experience with, in treatment of clostridial myonecrosis (Holland et al.), 75
Hypercalciuria, idiopathic, normocalcemic hyperparathyroidism, and kidney stones (Johansson et al.), 691
Hyperglycemic rats, xenotransplantation of piscine islets into (Weber et al.), 208
Hyperparathyroidism, normocalcemic, kidney stones, and idiopathic hypercalciuria (Johansson et al.), 691
Hypertension, portal, revisited, hemodynamics of: determinants and significance of occluded portal pressures (Moreno et al.), 167
Hypocalcemia, increased parathyroid hormone secretion and, in experimental pancreatitis: necessity for intact thyroid gland (Norberg, DeRoos, and Kaplan), 773
Hypothermic perfused kidney, analysis of optimal perfusion pressure and flow rate of renal vascular resistance and oxygen consumption in (Grundmann et al.), 451
Hypoxia or cold stress, importance of multiple episodes of, on development of enterocolitis in animal model (Barlow and Santulli), 687

I

Idiopathic hypercalciuria, normocalcemic hyperparathyroidism, and kidney stones (Johansson et al.), 691
Ileum, resection of, jejunal absorption of bile salts after (Tilson, Boyer, and Wright), 231
Iliac-axillary, extrathoracic, bypass substitution of resected descending thoracic aorta (Absolon et al.), 275
Immune reactants, other, and antithymocyte globulin, effect of, on human platelets (Rosenberg et al.), 520
Immunity, tumor, in vitro demonstration of cryosurgical augmentation of (Faraci et al.), 433
Immunopathologic reaction, report of successfully treated case of spontaneous rupture of liver and spleen with (Huttunen et al.), 722
Immunoreactive gastrin, in gastric juice and in serum, effect of histamine on (Stadil et al.), 345
Inadvertent femoral artery "stripping": surgical management (Liddicoat et al.), 318
Infarction, acute inferior wall myocardial, after aortocoronary bypass, transmyocardial left-to-right shunt complicating (Ibrahim et al.), 285
Infected and subinfected wound models, effect of three proteinaceous foreign materials on (Georgiade et al.), 569

Inferior vena caval clipping, mortality and morbidity rates after (Couch, Baldwin, and Crane), 106
wall myocardial infarction, acute, after aorto-coronary bypass, transmyocardial left-to-right shunt complicating (Ibrahim et al.), 285
Infiltration, eosinophilic, of duodenum and pancreatic head: report of case studied arteriographically (Ryan), 321
Infrarenal abdominal aorta, complete occlusion of: management and results in 64 patients (Liddicoat et al.), 467
Intensive care unit, surgical, computerization of: improvement of patient care via education (Greenburg et al.), 799
Interruption, vena caval, role of, in management of pulmonary embolism (Silver and Sabiston), 1
Intestinal phase of gastric secretion: pharmacological profile of entero-oxyntin (Way, Cairns, and Deveney), 841
stoma, new appliance for premature or newborn baby with (Wilson, Roback, and Loenard), 715
Intestines, wounds of, observation on healing of (Ravitch), 665
(Intra-aortic balloon pumping), simple method of pulsatile flow, improvement of myocardial and other vital organ functions and metabolism with, during clinical cardiopulmonary bypass (Pappas et al.), 34
Intra-arterial sympathetic blocking drugs, treatment of experimental frostbite with (Snider and Porter), 557
Invagination, complete, of vermiform appendix with villous adenoma, intussuscepting to splenic flexure of colon (Ho and Rosenman), 505
Ischemia, acid and, role of, in production of stress ulcers during canine hemorrhagic shock (Zinner et al.), 807
Islets of Langerhans, transplantation of, in diabetic rhesus monkeys (Scharp et al.), 100
piscine, xenotransplantation of, into hyperglycemic rats (Weber et al.), 208

J

James IV traveler, observations by, on British surgical centers (Cameron), 360
Jarvik-type artificial heart, survival for 18 days with (Oster et al.), 113
Jejunal absorption of bile salts after resection of ileum (Tilson, Boyer, and Wright), 231
Jejunum, primary adenocarcinoma of, and coexisting primary adenocarcinoma of vermiform appendix: case report (Coblentz and Filippone), 160
Jobs, first-time, in academic surgery (Jaffee) (letter to editors), 613
Juice, gastric, significance of acid in, in man and dog: negative feedback mechanism of gastric acid secretion (Itoh et al.), 648

K

Kidney(s), hypothermic perfused, analysis of optimal perfusion pressure and flow rate of renal vascular resistance and oxygen consumption in (Grundmann et al.), 451
rat, with acute tubular necrosis, transplantation of, into salt-loaded and normal recipients (Silber), 487
Kidney—Cont'd
stones, normocalcemic hyperparathyroidism, and and idiopathic hypercalciuria (Johansson et al.), 691
Kinetics, platelet, and venous thrombosis, postoperative, influence of aspirin on (Clagett et al.), 61

L

Lactic dehydrogenase, serum, and human renal allograft failure (Anderson et al.), 674
Langerhans, islets of, transplantation of, in diabetic rhesus monkeys (Scharp et al.), 100
Law students, teaching, in medical schools (Spies, Weiss, and Campbell), 793
Limb, lower, arterial embolectomy, mortality rate following: causative factors (Freund, Romanoff, and Floman), 201
Liver cell adenoma, hemoperitoneum from, in a patient on oral contraceptives (Antoniades and Brooks), 137
metabolism and glucogenesis in trauma and sepsis (Imamura et al.), 861
regeneration after portacaval transposition in rats (Lee et al.), 144
and spleen, spontaneous rupture of: report of successfully treated case with immunopathologic reaction (Huttunen et al.), 722
Logic, computer, programs (Fielding) (letter to editors), 730; reply (Knutson), 731
Lower extremity, small-vessel bypass procedures of, patient selection and improved technical factors in (Dardik et al.), 249
limb arterial embolectomy, mortality rate following: causative factors (Freund, Romanoff, and Floman), 201
Lung, Na^+-K^+ transport and adenosine nucleotides in, in hemorrhagic shock (Sayeed, Chaudry, and Baue), 395
Lymphoceles, experience with, after renal transplantation (Zincke et al.), 444
Lysosomal enzymes and erythrocyte filterability in patients requiring cardiopulmonary bypass (Starling et al.), 562

M

Man and dog, significance of acid in gastric juice in: negative feedback mechanism of gastric acid secretion (Itoh et al.), 648
Martin, Duhamel-Grob-, operation, modification of, for treatment of Hirschsprung's disease, experience with (Hung), 680
Matched, HL-A, single donor platelet transfusions for thrombocytopenic patients undergoing surgery (Kahan et al.), 241
Mechanical dilatation and adventitial stripping in dogs, biological effects of: autogenous vein bypass grafts (Storm et al.), 261
Medical schools, teaching law students in (Spies, Weiss, and Campbell), 793
Mesenteric artery, superior, occlusion, dogs with and without, effect of high cervical cordotomy on portal vein plasma serotonin and 5-hydroxyindoleacetic acid levels in (Newman et al.), 154
Metabolic rate in acute respiratory failure complicating sepsis (Halmagyi and Kinney), 492
and "respiratory" acidosis, depression of human myocardial contractility with (Cingolani et al.), 427
Metabolism, liver, and glucogenesis in trauma and sepsis (Imamura et al.), 861

Metabolism—Cont'd
and myocardial and other vital organ functions, improvement of, with simple method of pulsatile flow (IABP) during clinical cardiopulmonary bypass (Pappas et al.), 34
Micro-organisms, varying sensitivity to antibacterial agents of, in pure vs. mixed cultures (Linn and Szabo), 780
Microvascular fluid filtration, pulmonary, and protein permeability in sheep, effect of acute hemorrhagic shock on (Demling et al.), 512
Mitral valve replacement, aortic valve allografts for (Stinson et al.), 861
Modification of Duhamel-Grob-Martin operation for treatment of Hirschsprung's disease, experience with (Hung), 680
Monkeys, conscious, influence of antrectomy on gastrin release and gastric secretion in (Rosato et al.), 817
diabetic rhesus, transplantation of islets of Langerhans in (Scharp et al.), 100
Morbidity, postoperative, development of two indices of (Owens et al.), 586
Mucosa, gastric, canine and human, effect of carbenoxolone on changes in, caused by taurocholate and ethanol (Gordon et al.), 707
Mucosal blood flow, gastric, canine, effect of aspirin, bile salt, and ethanol on (Cheung, Moody, and Reese), 786
gastroesophageal, valve, effective, attempt at forming (Tobik, Lukasiewicz, and Starzewski), 225
Muscle of animals in shock, evidence for enhanced uptake of adenosine triphosphate (Chaudry, Sayeed, and Baue), 833
soleus, in hemorrhagic shock, degradation of adenine nucleotides by (Chaudry, Sayeed, and Baue), 180
Myocardial contractility, human, depression of, with "respiratory" and "metabolic" acidosis (Cingolani et al.), 427
depression, pharmacological, effects of, on coronary artery collateral formation (Kakos et al.), 748
infarction, acute inferior wall, after aortocoronary bypass, transmyocardial left-to-right shunt complicating (Ibrahim et al.), 285
and other vital organ functions and metabolism, improvement of, with simple method of pulsatile flow (IABP) during clinical cardiopulmonary bypass (Pappas et al.), 34
performance, improved, following high 2-3 diphosphoglycerate red cell transfusions (Dennis et al.), 741
Myonecrosis, clostridial, experimental and clinical experience with hyperbaric oxygen in treatment of (Holland et al.), 75

N

Na^+-K^+ transport and adenosine nucleotides in lung in hemorrhagic shock (Sayeed, Chaudry, and Baue), 395
Necrosis, acute tubular, transplantation of rat kidneys with, into salt-loaded and normal recipients (Silber), 487
Nerve, saphenous, entrapment simulating vascular disorder (Mozes, Ouaknine, and Nathan), 299
Neurological deficit associated with sudden occlusion of abdominal aorta due to blunt trauma (Mozingo and Denton), 118
Newborn or premature baby with intestinal stoma, new appliance for (Wilson, Roback, and Leonard), 715
Nineteenth century, recognition and treatment of pathologic fractures in (Onuigbo), 553
Nonhuman primate, toxicity of chenodeoxycholic acid in (Morrissey et al.), 851
Nonsuture method, improved, for portacaval anastomosis in rat (Funovics et al.), 661
Normocalcemic hyperparathyrodism, kidney stones, and idiopathic hypercalciuria (Johansson et al.), 691
Nucleotides, adenine, degradation of, by soleus muscle in hemorrhagic shock (Chaudry, Sayeed, and Baue), 180
adenosine, and Na^+-K^+ transport in lung in hemorrhagic shock (Sayeed, Chaudry, and Baue), 395

O

Obstruction, arterial, in vessels supplying fingers, assessment of, by measurement of local blood pressures and skin temperature response test—correlation with angiographic evidence (Downs et al.), 530
superior venal caval, substernal goiter with (Lesavoy, Norberg, and Kaplan), 325
Occluded portal pressures, determinants and significance of: hemodynamics of portal hypertension revisited (Moreno et al.), 167
Occlusion, complete, of infrarenal abdominal aorta: management and results in 64 patients (Liddicoat et al.), 467
sudden, of abdominal aorta due to blunt trauma, neurological deficit associated with (Mozingo and Denton), 118
superior mesenteric artery, dogs with and without, effect of high cervical cordotomy on portal vein plasma serotonin and 5-hydroxyindoleacetic acid levels in (Newman et al.), 154
unilateral, of aortic bifurcation grafts, femorofemoral grafts for (Crawford et al.), 150
Operate and hospitalize, decisions to: socioeconomic perspective in urban state (Scott and Mackie), 311
Oral contraceptives, hemoperitoneum from liver cell adenoma in patient on (Antoniades and Brooks), 137
Organs for transplantation (Karow) (editorial), 615
Orthotopic allotransplantation, successful, of hearts from dogs in irreversible shock (Culpepper et al.), 126
Outlet, thoracic, syndrome, use of rotary rasp during first rib removal for (Robb, Timmis, and Roberts) (letter to editors), 331
Outpatient surgery—what are indications for it (Hill) (editorial), 333
Oxygen consumption and renal vascular resistance, analysis of optimal perfusion pressure and flow rate of, in hypothermic perfused kidney (Grundmann et al.), 451
hyperbaric, experimental and clinical experience with, in treatment of clostridial myonecrosis (Holland et al.), 75

P

Palliative resection in advanced carcinoma of stomach (Stern et al.), 291
Pancreatectomy for carcinoma, replacement of portal vein during (Norton and Eiseman), 280
Pancreatic exocrine function, canine, effect of electrical vagal stimulation on (Kaminski, Ruwart, and Willman), 545
  head and duodenum, eosinophilic infiltration of: report of case studied arteriographically (Ryan), 321
Pancreatitis, alcoholic, pathogenesis for (Cameron, Zuidema, and Margolis), 754
  experimental, increased parathyroid hormone secretion and hypocalcemia in: necessity for intact thyroid gland (Norberg, DeRoos, and Kaplan), 773
Parathyroid cysts: functional and mediastinal (Margolis, Wayne, and Organ), 462
  hormone secretion, increased, and hypocalcemia in experimental pancreatitis: necessity for intact thyroid gland (Norberg, DeRoos, and Kaplan), 773
Pathogenesis for alcoholic pancreatitis (Cameron, Zuidema, and Margolis), 754
Pathologic fractures in nineteenth century, recognition and treatment of (Onuigbo), 553
Pediatric surgeons, numbers, and quality of care (Strauch) (letter to editors), 612; reply (Ravitch), 612
Perfused, hypothermic, kidney, analysis of optimal perfusion pressure and flow rate of renal vascular resistance and oxygen consumption in (Grundmann et al.), 451
Perfusion(s), clinical, fat and solid filtration in (Clark, Margraf, and Beauchamp), 216
  pressure and flow rate, analysis of optimal, of renal vascular resistance and oxygen consumption in hypothermic perfused kidney (Grundmann et al.), 451
Perineal anal transplant in anorectal malformation in female patients (Nainan, Mitra, and Pathak), 697
Permeability, protein, and pulmonary microvascular fluid filtration in sheep, effect of acute hemorrhagic shock on (Demling et al.), 512
Pharmacological myocardial depression, effects of, on coronary artery collateral formation (Kakos et al.), 748
  profile of entero-oxyntin: intestinal phase of gastric secretion (Way, Cairns, and Deveney), 841
Phenomenon, Raynaud's, diagnosis and treatment of (Porter et al.), 11
Piscine islets, xenotransplantation of, into hyperglycemic rats (Weber et al.), 208
Plasma, effect of surgical operation on growth hormone levels in (Wright and Johnston), 479
  serotonin and 5-hydroxyindoleacetic acid levels, portal vein, effect of high cervical cordotomy on, in dogs with and without superior mesenteric artery occlusion (Newman et al.), 154
Platelet(s) aggregates and platelets, dynamics of: evaluation of blood filters (Mason et al.), 235
  human, effect of antithymocyte globulin and other immune reactants on (Rosenberg et al.), 520
Platelet(s)—Cont'd
  kinetics and venous thrombosis, postoperative, influence of aspirin on (Clagett et al.), 61
  and platelet aggregates, dynamics of: evaluation of blood filters (Mason et al.), 235
  response to regional and systemic shock (Magilligan and Schwartz), 268
  transfusions, single donor, HL-A matched, for thrombocytopenic patients undergoing surgery (Kahan et al.), 241
Portacaval anastomosis in rat, improved nonsuture method for (Funovics et al.), 661
Portacaval transposition in rats, liver regeneration after (Lee et al.), 144
Portal hypertension revisited, hemodynamics of: determinants and significance of occluded portal pressures (Moreno et al.), 167
  pressures, occluded, determinants and significance of: hemodynamics of portal hypertension revisited (Moreno et al.), 167
  vein plasma serotonin and 5-hydroxyindoleacetic acid levels, effect of high cervical cordotomy on, in dogs with and without superior mesenteric artery occlusion (Newman et al.), 154
    replacement of, during pancreatectomy for carcinoma (Norton and Eiseman), 280
  viscera, hepatic regeneration in absence of (Whittemore et al.), 419
Practice, community, time utilization of population of general surgeons in (Hughes, Lewit, and Lorenzo), 371
Premature or newborn baby with intestinal stoma, new appliance for (Wilson, Roback, and Leonard), 715
Prepaid group practice, experimental, lack of effect of, on utilization of surgical care (Perkoff et al.), 619
Pressure(s), local blood, and skin temperature response test, assessment of arterial obstruction in vessels supplying fingers by measurement of—correlation with angiographic evidence (Downs et al.), 530
  occluded portal, determinants and significance of: hemodynamics of portal hypertension revisited (Moreno et al.), 167
  perfusion, and flow rate, analysis of optimal, of renal vascular resistance and oxygen consumption in hypothermic perfused kidney (Grundmann et al.), 451
Primary adenocarcinoma of jejunum and coexisting primary adenocarcinoma of vermiform appendix: case report (Coblentz and Filippone), 160
    vermiform appendix, coexisting, and primary adenocarcinoma of jejunum: case report (Coblentz and Filippone), 160
Primate, nonhuman, toxicity of chenodeoxycholic acid in (Morrissey et al.), 851
  subhuman, adrenergic mechanisms in cephalic and cerebral circulations of (Hobson, Wright, and Lamoy), 304
Protein permeability and pulmonary microvascular fluid filtration in sheep, effect to acute hemorrhagic shock on (Demling et al.), 512
Proteinaceous foreign materials, three, effect of, on infected and subinfected wound models (Georgiade et al.), 569
Proximal and selective gastric vagotomy, accidents and complications in (Kalaja et al.), 140

Pulmonary embolism, role of vena caval interruption in management of (Silver and Sabiston), 1
microvascular fluid filtration and protein permeability in sheep, effect of acute hemorrhagic shock on (Demling et al.), 512
sieve, echinococcal cyst beyond (Mosavy, Sajadieh, and Vakhshuri), 194
Pulsatile flow (IABP), simple method of, improvement of myocardial and other vital organ functions and metabolism with, during clinical cardiopulmonary bypass (Pappas et al.), 34
(Pumping, intra-aortic balloon), simple method of pulsatile flow, improvement of myocardial and other vital organ functions and metabolism with, during clinical cardiopulmonary bypass (Pappas et al.), 34
Pylorus-preserving gastrectomy for gastric ulcer—one- to nine-year follow-up study (Sekine et al.), 92
Pyloric reflux gastritis: offending agent (Delaney, Broadie, and Robbins), 764

R

Rasp, rotary, use of, during first rib removal for thoracic outlet syndrome (Robb, Timmis, and Roberts) (letter to editors), 331
Rat(s), hyperglycemic, xenotransplantation of piscine islets into (Weber et al.), 208
improved nonsuture method for portacaval anastomosis in (Funovics et al.), 661
kidneys with acute tubular necrosis, transplantation of, into salt-loaded and normal recipients (Silber), 487
Raynaud's phenomenon, diagnosis and treatment of (Porter et al.), 11
Razor, adjustable, dermatome: another efficient, economical, and portable dermatome (Huang), 703
Reactants, immune, including antithymocyte globulin, effect of, on human platelets (Rosenberg et al.), 520
Rectal ulcer, solitary (Hawkins) (letter to editors), 473; reply (Delancy), 473
Red cell transfusions, high 2-3 diphosphoglycerate, improved myocardial performance following (Dennis et al.), 741
Reflux gastritis, pyloric: offending agent (Delaney, Broadie, and Robbins), 764
Regeneration, hepatic, in absence of portal viscera (Whittemore et al.), 419
liver, after portacaval transposition in rats (Lee et al.), 144
Regional and systemic shock, platelet response to (Magilligan and Schwartz), 268
Release, gastrin, and acid secretion, effect of vagal stimulation on (Maher et al.), 255
gastric secretion, influence of antrectomy on, in conscious monkeys (Rosato et al.), 817
Removal, first rib, for thoracic outlet syndrome, use of rotary rasp during (Robb, Timmis, and Roberts) (letter to editors), 331
Renal allograft failure, human, and serum lactic dehydrogenase (Anderson et al.), 674
artery stenosis, homotransplant (Doyle et al.), 53
Renal—Cont'd
autotransplantation and partial resection of ureter for recurrent benign ureteral tumor (Saltzstein and Fine), 607
failure, acute, free-water clearance patterns as predictors and therapeutic guides in (Baek et al.), 632
transplantation in children (Starzl) (letter to editors), 473; reply (Simmons and Najarian), 474
experience with lymphoceles after (Zincke et al.), 444
vascular resistance and oxygen consumption, analysis of optimal perfusion pressure and flow rate of, in hypothermic perfused kidney (Grundmann et al.), 451
Resected descending thoracic aorta, extrathoracic axillary-iliac bypass substitution of (Absolon et al.), 275
Resection of ileum, jejunal absorption of bile salts after (Tilson, Boyer, and Wright), 231
ureter, partial, and renal autotransplantation for recurrent benign ureteral tumor (Saltzstein and Fine), 607
Resistance, renal vascular, and oxygen consumption, analysis of optimal perfusion pressure and flow rate of, in hypothermic perfused kidney (Grundmann et al.), 451
Respiratory failure, acute, complicating sepsis, metabolic rate in (Halmagyi and Kinney), 492
and "metabolic" acidosis, depression of human myocardial contractility with (Cingolani et al.), 427
Revascularization, complex cerebral, use of axillary artery in (Bergan, Dean, and Yao), 338
Rheology, human blood, effects of major abdominal operations on (Scholz, Kinney, and Chien), 351
Rhesus monkeys, diabetic, transplantation of islets of Langerhans in (Scharp et al.), 100
Rib, first, removal for thoracic outlet syndrome, use of rotary rasp during (Robb, Timmis, and Roberts) (letter to editors), 331
Right ventricle, dispensable (Sade and Castaneda), 624
Rotary rasp, use of, during first rib removal for thoracic outlet syndrome (Robb, Timmis, and Roberts) (letter to editors), 331
Rousselot, Louis M., M.D., tribute to (Drapanas) (editorial), 165
Rupture of liver and spleen, spontaneous: report of successfully treated case with immunopathologic reaction (Huttunen et al.), 722
Ruptured abdominal aortic aneurysm (Hildebrand and Fry), 540

S

Salt(s), bile, jejunal absorption of, after resection of ileum (Tilson, Boyer, and Wright), 231
loaded and normal recipients, transplantation of rat kidneys with acute tubular necrosis into (Silber), 487
Saphenous nerve entrapment simulating vascular disorder (Mozes, Ouaknine, and Nathan), 299

Schools, medical, teaching law students in (Spies, Weiss, and Campbell), 793
Secretin, sodium taurocholate, and glucagon, choleretic mechanisms of (Russell, Searle, and Jones), 498
Secretion, acid, and gastrin release, effect of vagal stimulation on (Maher et al.), 255
gastric acid, negative feedback mechanism of: significance of acid in gastric juice in man and dog (Itoh et al.), 648
gastrin release and, influence of antrectomy on, in conscious monkeys (Rosato et al.), 817
intestinal phase of: pharmacological profile of entero-oxyntin (Way, Cairns, and Deveney), 841
increased parathyroid hormone, and hypocalcemia in experimental pancreatitis: necessity for intact thyroid gland (Norberg, DeRoos, and Kaplan), 773
Selective and proximal gastric vagotomy, accidents and complications in (Kalaja et al.), 140
Sepsis, metabolic rate in acute respiratory failure complicating (Halmagyi and Kinney), 492
trauma and, liver metabolism and glucogenesis (Imamura et al.), 868
Serotonin, plasma, and 5-hydroxyindoleacetic acid levels, portal vein, effect of high cervical cordotomy on, in dogs with and without superior mesenteric artery occlusion (Newman et al.), 154
Serum, and gastric juice, immunoreactive gastrin in, effect of histamine on (Stadil et al.), 345
lactic dehydrogenase and human renal allograft failure (Anderson et al.), 674
Sheep, pulmonary microvascular fluid filtration and protein permeability in, effect of acute hemorrhagic shock on (Demling et al.), 512
Shock, acute hemorrhagic, effect of, on pulmonary microvascular fluid filtration and protein permeability in sheep (Demling et al.), 512
animals in, evidence for enhanced uptake of adenosine triphosphate by muscle of (Chaudry, Sayeed, and Baue), 833
canine hemorrhagic, role of acid and ischemia in production of stress ulcers during (Zinner et al.), 807
endotoxin, mechanism of heparin protection in (Gans), 602
hemorrhagic, degradation of adenine nucleotides by soleus muscle in (Chaudry, Sayeed, and Baue), 180
lung in, Na^+-K^+ transport and adenosine nucleotides in (Sayeed, Chaudry, and Baue), 395
irreversible, successful orthotopic allotransplantation of hearts from dogs in (Culpepper et al.), 126
systemic and regional, platelet response to (Magilligan and Schwartz), 268
Shunt, transmyocardial left-to-right, complicating acute inferior wall myocardial infarction after aortocoronary bypass (Ibrahim et al.), 285
Sieve, pulmonary, echinococcal cyst beyond (Mosavy, Sajadieh, and Vakhshuri), 194
Single donor, HL-A matched platelet transfusions for thrombocytopenic patients undergoing surgery (Kahan et al.), 241
Skin, heat-injured, effect of Travase on (Zawacki), 132
temperature response test and local blood pressures, assessment of arterial obstruction in vessels supplying fingers by measurement of—correlation with angiographic evidence (Downs et al.), 530
Small-vessel bypass procedures of lower extremity, patient selection and improved technical factors in (Dardik et al.), 249
Socioeconomic perspective in urban state: decisions to hospitalize and operate (Scott and Mackie), 311
Sodium taurocholate, secretin, and glucagon, choleretic mechanisms of (Russell, Searle, and Jones), 498
Soleus muscle in hemorrhagic shock, degradation of adenine nucleotides by (Chaudry, Sayeed, and Baue), 180
Solid and fat filtration in clinical perfusions (Clark, Margraf, and Beauchamp), 216
Spleen and liver, spontaneous rupture of: report of successfully treated case with immunopathologic reaction (Huttunen et al.), 722
Splenic flexure of colon, complete invagination of vermiform appendix with villous adenoma, intussuscepting to (Ho and Rosenman), 505
Split products, fibrin, source of: extravascular fibrinogen degradation in experimental burn wounds (Curreri et al.), 86
Stasis, venous (Cranley) (letter to editors), 730
Stenosis, homotransplant renal artery (Doyle et al.), 53
Stimulation, vagal, effect of, on gastrin release and acid secretion (Maher et al.), 255
Stoma, intestinal, new appliance for premature or newborn baby with (Wilson, Roback, and Leonard), 715
Stomach, advanced carcinoma of, palliative resection in (Stern et al.), 291
Stones, kidney, normocalcemic hyperparathyroidism, and idiopathic hypercalciuria (Johansson et al.), 691
Stress, cold, or hypoxia, importance of multiple episodes of, on development of enterocolitis in animal model (Barlow and Santulli), 687
ulcers, role of acid and ischemia in production of, during canine hemorrhagic shock (Zinner et al.), 807
Stripping, adventitial, and mechanical dilatation in dogs, biological effects of: autogenous vein bypass grafts (Storm et al.), 261
inadvertent femoral artery: surgical management (Liddicoat et al.), 318
Subhuman primate, adrenergic mechanisms in cephalic and cerebral circulations of (Hobson, Wright, and Lamoy), 304
Subinfected and infected wound models, effect of three proteinaceous foreign materials on (Georgiade et al.), 569
Substernal goiter with superior vena caval obstruction (Lesavoy, Norberg, and Kaplan), 325
Superior mesenteric artery occlusion, dogs with and without, effect of high cervical cordotomy on portal vein plasma serotonin and 5-hydroxyindoleacetic acid levels in (Newman et al.), 154

Superior—Cont'd
vena caval obstruction, substernal goiter with (Lesavoy, Norberg, and Kaplan), 325
Surgeons, general, time utilization of population of, in community practice (Hughes, Lewit, and Lorenzo), 371
pediatric, numbers, and quality of care (Strauch) (letter to editors), 612; reply (Ravitch), 612
Surgeon's work (load?) (Moore) (editorial), 336
Surgery, academic, first-time jobs in (Jaffee) (letter to editors), 613
hepatic, reflections on selected historical highlights in field of: tradition and innovation (Gans), 593
Surgical amphitheatre, history of its origins, functions, and fate (Wangensteen and Wangensteen), 403
care, lack of effect of experimental prepaid group practice on utilization of surgical care (Perkoff et al.), 619
centers, British, observations by James IV traveler on (Cameron), 360
intensive care unit, computerization of: improvement of patient care via education (Greenburg et al.), 799
management: inadvertent femoral artery "stripping" (Liddicoat et al.), 318
treatment of chronic illness, effect of bioscience and technological momentum on (Kountz), 735
Suture material, ultrafine, notes on handling of (Acland), 507
Sympathetic blocking drugs, intra-arterial, treatment of experimental frostbite with (Snider and Porter), 557
Syndrome, thoracic outlet, use of rotary rasp during first rib removal for (Robb, Timmis, and Roberts), (letter to editors), 331
Systemic and regional shock, platelet response to (Magilligan and Schwartz), 268

T

Taurocholate and ethanol, effect of carbenoxolone on changes in canine and human gastric mucosa caused by (Gordon et al.), 707
sodium, secretin, and glucagon, choleretic mechanisms of (Russell, Searle, and Jones), 498
Teaching law students in medical schools (Spies, Weiss, and Campbell), 793
Technological momentum and bioscience, effect of, on surgical teratment of chronic illness (Kountz), 735
Temperature, skin, response test and local blood pressures, assessment of arterial obstruction in vessels supplying fingers by measurement of—correlation with angiographic evidence (Downs et al.), 530
Thoracic aorta, resected descending, extrathoracic axillary-iliac bypass substitution of (Absolon et al.), 275
outlet syndrome, use of rotary rasp during first rib removal for (Robb, Timmis, and Roberts), (letter to editors), 331
Thrombocytopenic patients undergoing surgery, single donor, HL-A matched platelet transfusions for (Kahan et al.), 241
Thrombosis, venous, and platelet kinetics, postoperative, influence of aspirin on (Clagett et al.), 61
Thyroid gland, intact, necessity for: increased parathyroid hormone secretion and hypocalcemia in experimental pancreatitis (Norberg, DeRoos, and Kaplan), 773
Time utilization of population of general surgeons in community practice (Hughes, Lewit, and Lorenzo), 371
Toxicity of chenodeoxycholic acid in nonhuman primate (Morrissey et al.), 851
Transfusions, single donor, HL-A matched platelet, for thrombocytopenic patients undergoing surgery (Kahan et al.), 241
high 2-3 diphosphoglycerate red cell, improved myocardial performance following (Dennis et al.), 741
Transmyocardial left-to-right shunt complicating acute inferior wall myocardial infarction after aortocoronary bypass (Ibrahim et al.), 285
Transplant, perineal anal, in anorectal malformation in female patients (Nainan, Mitra, and Pathak), 697
Transplantation of islets of Langerhans in diabetic rhesus monkeys (Scharp et al.), 100
organs for (Karow) (editorial), 615
of rat kidneys with acute tubular necrosis into salt-loaded and normal recipients (Silber), 487
renal, in children (Starzl) (letter to editors), 473; reply (Simmons and Najarian), 474
experience with lymphoceles after (Zincke et al.), 444
Transport, Na^+-K^+, and adenosine nucleotides in lung in hemorrhagic shock (Sayeed, Chaudry, and Baue), 395
Transportation, portacaval, in rats, liver regeneration after (Lee et al.), 144
Trauma, blunt, neurological deficit associated with sudden occlusion of abdominal aorta due to (Mozingo and Denton), 118
and sepsis, liver metabolism and glucogenesis in (Imamura et al.), 861
Traverse, effect of, on heat-injured skin (Zawacki), 132
Traveler, James IV, observations by, on British surgical centers (Cameron), 360
Triphosphate, adenosine, evidence for enhanced uptake of, by muscle of animals in shock (Chaudry, Sayeed, and Baue), 833
Tubular necrosis, acute, transplantation of rat kidneys with, into salt-loaded and normal recipients (Silber), 487
Tumor, benign ureteral, renal autotransplantation and partial resection of ureter for (Saltzstein and Fine), 607
immunity, in vitro demonstration of cryosurgical augmentation of (Faraci et al.), 433

U

Ulcer(s), gastric, pylorus-preserving gastrectomy for—one- to nine-year follow-up study (Sekine et al.), 92
solitary rectal (Hawkins) (letter to editors), 473; reply (Delancy), 473
stress, role of acid and ischemia in production of, during canine hemorrhagic shock (Zinner et al.), 807
Ultrafine suture material, notes on handling of (Acland), 507
Ultrapore filters, filtration limitations of (Gervin, Mason, and Wright), 186
Unilateral occlusion of aortic bifurcation grafts, femorofemoral grafts for (Crawford et al.), 150

United states, Doppler studies outside (Müller and Gonzalez) (letter to editors), 733; reply (LoGerfo and Mason), 734
Urachus, carcinoma of: report of one case and review of literature (Yu and Leong), 726
Ureter, partial resection of, and renal autotransplantation for recurrent benign ureteral tumor (Saltzstein and Fine), 607
Ureteral tumor, recurrent benign, renal autotransplantation and partial resection of ureter for (Saltzstein and Fine), 607

V

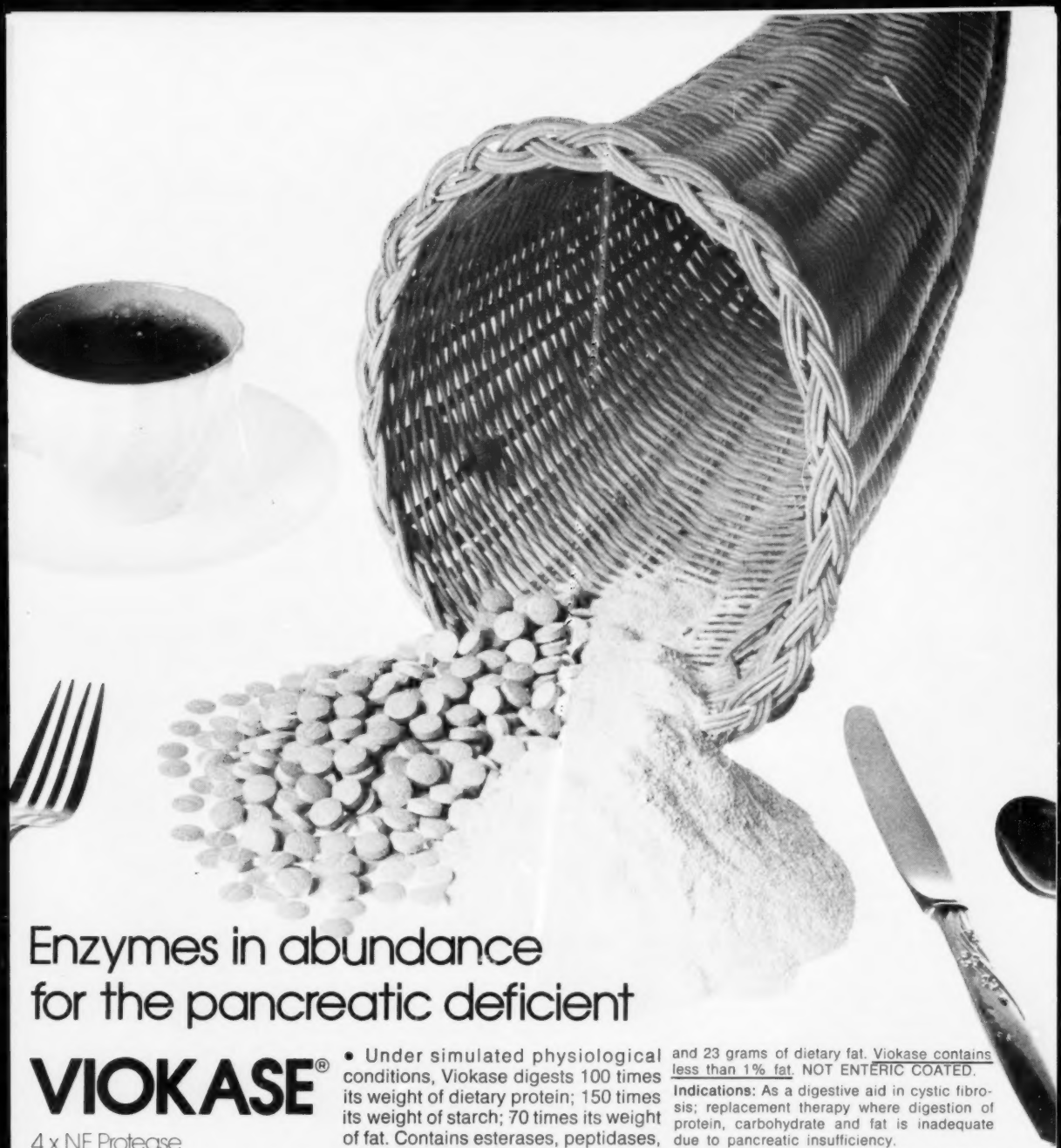
Vagal stimulation, effect of, on gastrin release and acid secretion (Maher et al.), 255
electrical, effect of, on canine pancreatic exocrine function (Kaminski, Ruwart, and Willman), 545
Vagotomy, gastric, selective and proximal, accidents and complications in (Kalaja et al.), 140
Valve, aortic, allografts for mitral valve replacement (Stinson et al.), 861
gastroesophageal mucosal, effective, attempt at forming (Tobik, Lukasiewicz, and Starzewski), 225
mitral, replacement, aortic valve allografts for (Stinson et al.), 861
Vascular disorder, sahpenous nerve entrapment simulating (Mozes, Ouaknine, and Nathan), 299
resistance, renal, and oxygen comsumption, analysis of optimal perfusion pressure and flow rate of, in hypothermic perfused kidney (Grundmann et al.), 451
Vein, autogenous, bypass grafts: biological effects of mechanical dilatation and adventitial stripping in dogs (Storm et al.), 261
portal, plasma serotonin and 5-hydroxyindoleacetic acid levels, effect of high cervical cordotomy on, in dogs with and without superior mesenteric artery occlusion (Newman et al.), 154
replacement of, during pancreatectomy for carcinoma (Norton and Eiseman), 280
Vena caval clipping, inferior, mortality and morbidity rates after (Couch, Baldwin, and Crane), 106
interruption, role of, in management of pulmonary embolism (Silver and Sabiston), 1
Vena caval—Cont'd
superior, obstruction, substernal goiter with (Lesavoy, Norberg, and Kaplan), 325
Venous stasis (Cranley) (letter to editors), 730
thrombosis and platelet kinetics, postoperative, influence of aspirin on (Clagett et al.), 61
Ventricle, dispensable right (Sade and Castaneda), 624
Vermiform appendix, coexisting primary adenocarcinoma of, and primary adenocarcinoma of jejunum: case report (Coblentz and Filippone), 160
with villous adenoma, complete invagination of, intussuscepting to splenic flexure of colon (Ho and Rosenman), 505
Vessel(s), small-, bypass procedures of lower extremity, patient selection and improved technical factors in (Dardik et al.), 249
supplying fingers, assessment of arterial obstruction in, by measurement of local blood pressures and skin temperature response test—correlation with angiographic evidence (Downs et al.), 530
Villous adenoma, complete invagination of vermiform appendix with, intussuscepting to splenic flexure of colon (Ho and Rosenman), 505
Viscera, portal, hepatic regeneration in absence of (Whittemore et al.), 419

W

Wall, acute inferior, myocardial infarction after aortocoronary bypass, transmyocardial left-to-right shunt complicating (Ibrahim et al.), 285
Wound(s), experimental burn, extravascular fibrinogen degradation in: source of fibrin split products (Curreri et al.), 86
of intestines, observations on healing of (Ravitch), 665
models, infected and subinfected, effect of three proteinaceous foreign materials on (Georgiade et al.), 569

X

Xenotransplantation of piscine islets into hyperglycemic rats (Weber et al.), 208



Enzymes in abundance for the pancreatic deficient

VIOKASE®

4 x N.F. Protease
6 x N.F. Amylase
10 x N.F. Lipase
(whole pancreas)

- Under simulated physiological conditions, Viokase digests 100 times its weight of dietary protein; 150 times its weight of starch; 70 times its weight of fat. Contains esterases, peptidases, nucleases, elastase and other enzymes of pancreas.
- **Costs your patient less than other pancreatic preparations.**
- **Effectiveness confirmed** by more than 20 years of clinical experience.

Composition: Viokase is a pancreatic enzyme concentrate of porcine origin containing standardized amylase, protease and lipase activities, plus esterases, peptidases, nucleases and elastase. Each 325 mg tablet contains 100 N.F. units per mg of protease, 150 N.F. units per mg amylase, and 20 N.F. units per mg of lipase. Each tablet contains sufficient pancreatic enzymes to digest *in vitro* 32 grams of dietary protein, 48 grams of dietary starch, and 23 grams of dietary fat. Viokase contains less than 1% fat. NOT ENTERIC COATED.

Indications: As a digestive aid in cystic fibrosis; replacement therapy where digestion of protein, carbohydrate and fat is inadequate due to pancreatic insufficiency.

Administration and dosage: Powder: Dosage to patients with cystic fibrosis: ½ teaspoon (0.75 grams) with meals. Tablets: Dosage to patients with cystic fibrosis; chronic pancreatitis: 1 to 3 tablets with meals. For aiding digestion of patients with pancreatectomy and gastrectomy, 1 to 2 tablets taken at 2 hour intervals, or as directed by physician.

Warnings: None.

Precautions: Use with caution in patients known to be allergic to pork protein.

How supplied: Powder. Bottles of 4 ounces and 8 ounces. Tablets: Bottles of 100 and 500.

Literature available on request, **including information on *Beef Viokase* derived from beef pancreas for those exceptional patients allergic to pork.**

VIOBIN

VIOBIN CORPORATION
A Subsidiary of A. H. Robins Co.
Monticello, Illinois 61856

Index to advertisers

Artificial Organs Division, Travenol Laboratories, Inc.
Modulung Teflo Oxygenator 17, 18, 19, 20

Biotronex Laboratory, Inc.
Blood Flowmeter ____ 23

Burroughs Wellcome Co.
Empirin Compound with Codeine ____ Fourth Cover

E. I. duPont De Nemours & Co.
Tyvek O. R. Gowns ____ 29

Fenwal Laboratories
Microaggregate Blood Filter ____ 4

Jobst
Anti-Em Stockings ____ Second Cover, 1

Kendall Company, The
T.E.D. Anti-Embolism Stockings __ 35, 36

Lilly and Company, Inc., Eli
Combined Darvon ____ 2, 3

Mead Johnson Laboratories
Sustacal/Flexical/Isocal ____ 30, 31

Medical Incorporated
Lillehei-Kaster Pivoting Disc Prosthetic Heart Valve ____ 21

Mueller, V.
Dual Beam Light Source ____ 12

Parke, Davis & Company
Chloromycetin ____ 32, 33, 34
Vectrin IV ____ 6

Purdue Frederick Company, The
Betadine Disposables ____ 10

Scientific Research Instruments Corp.
Medspect RICS System ____ 8

Searle & Co., G. D.
Metamucil ____ 14

Sherwood Medical Industries
Pioneer Rollpruf Sheers ____ 28

Upjohn Company, The
Cleocin Phosphate ____ 24, 25, 26, 27

Viobin Corporation
Viokase ____ 37

While every precaution is taken to insure accuracy, we cannot guarantee against the possibility of an occasional change or omission in the preparation of this index.

Index to volume 78

AUTHOR INDEX*

A

ABBOTT, WILLIAM M., AND AUSTEN, W. GERALD. The effectiveness and mechanism of collagen-induced topical hemostasis, 723
ACHTERBERG, J. R. (*See* Schalm et al.), 499
ADAMS, MARK B. (*See* DeCosse et al.), 608
AGUIRRE, ALFONSO. (*See* Fischer et al.), 276
ALEXANDER-WILLIAMS, J. (*See* Keighley, Thompson, and Alexander-Williams), 534
ALLEN, TERRY R. (*See* Dale and Allen), 707
ALPERT, JOSEPH. (*See* Brener et al.), 668
ALTMAN, R. PETER. (*See* Lilly and Altman), 76
ANDERSON, CHARLES B., AND GROCE, M. ANN. Banding of arteriovenous dialysis fistulas to correct high-output cardiac failure, 552
ANDERSON, WARWICK. (*See* Laks et al.), 130
ARIMA, EITOKU. (*See* Fonkalsrud et al.), 373
ASCH, MORRIS J. (*See* Shabot et al.), 560
AUFSES, A. H., JR. (*See* Papatestas et al.), 343
AUSLAENDER, L. (*See* Hashmonai et al.), 665
AUSTEN, W. GERALD. (*See* Abbott and Austen), 723

B

BACH, FRITZ H. (*See* Kahn et al.), 1
BAEK, SE-MIN, MAKABALI, GILBERT G., BRYAN-BROWN, CHRISTOPHER W., KUSEK, JOYCE M., AND SHOEMAKER, WILLIAM C. Plasma expansion in surgical patients with high central venous pressure (CVP); the relationship of blood volume to hematocrit, CVP, pulmonary wedge pressure, and cardiorespiratory changes, 304
BAIRD, R. J. (*See* Pisko-Dubienski et al.), 564
BAKER, J. DENNIS, GLUECKLICH, BERND, WATSON, C. WESLEY, MARCUS, ELLIOTT, KAMAT, VIJAYLAKSHIMI, AND CALLOW, ALLAN D. An evaluation of electroencephalographic monitoring for carotid study, 787
BALL, MARGARET R. (*See* Fitzpatrick et al.), 105
BALLINGER, WALTER F. In memoriam to Theodore Drapanas, M.D., 265
—. (*See* Strozier and Ballinger), 128
BARNES, ROBERT W. (*See* Shanik, Hayes, and Barnes), 446
BAYLISS, C. E. (*See* Pisko-Dubienski et al.), 564
BEALL, ARTHUR C., JR. (*See* Espada et al.), 755
BEAN, BARTON. (*See* Malone et al.), 211
BLOOM, WALTER L., BRYANT, MILTON F., VINCENZI, ROSINA B., VOHMAN, DARIUS, AND BREWER, SPENCER. The nature of arterial healing following dextran treatment of experimental small artery trauma, 594
BOLOOKI, HOOSHANG. (*See* Kaiser et al.), 749
BOWEN, JOHN C., PAWLIK, WIESLAW, FANG, WAN-FEN, AND JACOBSON, EUGENE D. Pharmacologic effects of gastrointestinal hormones on intestinal oxygen consumption and blood flow, 515
BRAZIER, JOHN R., MALONEY, JAMES V., JR., AND BUCKBERG, GERALD D. Papillary muscle ischemia with patent coronary arteries, 430
BRENER, BRUCE J., ALPERT, JOSEPH, BRIEF, DONALD K., AND PARSONNET, VICTOR. Iatrogenic entrapment of femoropopliteal saphenous vein bypass grafts by the gastrocnemius muscle, 668
BRENNEN, MURRAY F. (*See* Fitzpatrick et al.), 105
BREWER, SPENCER. (*See* Bloom et al.), 594
BRIEF, DONALD K. (*See* Brener et al.), 668
BRON, KLAUS M. (*See* Brooks and Bron), 677
BROOKS, DANIEL H., AND BRON, KLAUS M. Postprandial rest pain and claudication of the lower extremity: A case report, 677
BRYAN-BROWN, CHRISTOPHER W. (*See* Baek et al.), 304
BRYANT, MILTON F. (*See* Bloom et al.), 594
BUCKBERG, GERALD D. (*See* Brazier, Maloney, and Buckberg), 430
BUCKLEY, C. J. (*See* Shield et al.), 190
BURKHOLDER, PETER M. (*See* Kahn et al.), 1
BURNSED, DAVID W., WEISS, JOHN B., CAMPBELL, GILBERT S., AND WILLIAMS, G. DOYNE. The relative merits of the heparin-bonded shunt vs. femorofemoral bypass for aortic arch injury, 176

C

CALLOW, ALLAN D. (*See* Baker et al.), 787
CAMPAGNA, GARY. (*See* Malone et al.), 211
CAMPBELL, GILBERT S. (*See* Burnsed et al.), 176
CARNEY, WILFRED I., JR., RHEINLAND, HAROLD F., AND CLEVELAND, RICHARD J. Control of acute aortic dissection, 114
CARRICO, CHARLES J. (*See* Flint, Gosdin, and Carrico), 492
CASTANEDA, A. R. (*See* Schwartz et al.), 589

*July, pp. 1-120; August, pp. 121-264; September, pp. 265-408; October, pp. 409-542; November, pp. 543-684; December, pp. 685-848.

CERRA, FRANK B., LAJOS, THOMAS Z., MONTES, MARIO, AND SIEGEL, JOHN H. Hemorrhagic infarction: A reperfusion injury following prolonged myocardial ischemic anoxia, 95
CHIU, C. J. (*See* MacRae, Chiu, and Hinchey), 254
CHO, SANG I., WHELCHEL, JOHN D., AND COLBERG, JAMES E. Post-transplant function of cadaver kidneys preserved with plasma perfusate containing antidonor antibody, 472
CHOU, C. C. (*See* Yu, Yu, and Chou), 520
CIFARELLI, FRANK, SHIN, CHOON S., IPPOLITO, JOHN J., DAS, SAKT P., AND RUBIN, BARRY. Aneurysm of a polar renal artery, 660
CLARFIELD, RICHARD. (*See* Wayne, Clarfield, and Sikkema), 264
CLEVELAND, RICHARD J. (*See* Carney et al.), 114
COHEN, MICHAEL. (*See* Simmons et al.), 460
COHEN, STEPHEN C., GABELNICK, HENRY L., JOHNSON, RANDALL K., AND GOLDIN, ABRAHAM. Effects of antineoplastic agents on wound healing in mice, 238
COLBERG, JAMES E. (*See* Cho, Whelchel, and Colberg), 472
COLLINS, GEORGE J., JR. (*See* Rich, Hobson, and Collins), 817
CONDON, ROBERT E. (*See* DeCosse et al.), 608
CONNOLLY, JOHN E. (*See* Kwaan et al.), 583
CROWLEY, J. GERARD. (*See* Imparato et al.), 795

D

DACUMOS, GUILLERMO C. (*See* Kahn et al.), 1
DALE, W. ANDREW, AND ALLEN, TERRY R. Unusual problems of venous thrombosis, 707
DALL'OLMO, C. A. (*See* Szilagyi et al.), 800
DANIELSON, GORDON K. (*See* Parker et al.), 761
DAS, SAKT P. (*See* Cifarelli et al.), 660
DAVIDSON, THOMAS. (*See* Imparato et al.), 795
DAVIS, W. CLAYTON. (*See* Holyoke, Davis, and Harry), 526
DEAN, RICHARD H., PINKERTON, JOSEPH A., AND FOSTER, JOHN H. The use of monofilament suture in vascular surgery, 165
DECOSSE, JEROME J., ADAMS, MARK B., KUZMA, JOSEPH F., LO GERFO, PAUL, AND CONDON, ROBERT E. Effect of ascorbic acid on rectal polyps of patients with familial polyposis, 608
DELANEY, JOHN P. The paucity of arteriovenous anastomoses in the stomach (editorial), 411
DE TAKATS, GEZA. Sympathectomy revisited: Dodo or phoenix? 644
DEWEESE, JAMES A. (*See* Magilligan et al.), 730
DIAZ, PEDRO M. (*See* Gold et al.), 245
DIJKHUIS, C. M., VAN URK, HERO, MALAMUD, DANIEL, AND MALT, RONALD A. Rapid reversal of compensatory renal hypertrophy after withdrawal of the stimulus, 476
DIKMAN, S. (*See* Tiefenbrun, Dikman, and Shoemaker), 618
DOBERNECK, RAYMOND C., FISCHER, RONALD, AND SMITH, DANIEL. Gastrojejunostomy inhibits postshunt siderosis, 334
DOIZAKI, WILLIAM. (*See* Zieve, Nicoloff, and Doizaki), 414
DOSIOS, T. J., MAGOVERN, G. J., GAY, T. C., AND JOYNER, C. R. Cardiac tamponade complicating percutaneous catheterization of subclavian vein, 261
DOUGLASS, H. O., JR. (*See* Karakousis, Elias, and Douglass), 453
DRAPANAS, THEODORE. (*See* Pennington and Drapanas), 538
DUARTE, IGNACIO. (*See* Gold et al.), 245
DUFEK, JOHN H. (*See* Kahn et al.), 1
DUFF, J. H. (*See* Finley et al.), 87

E

EBERT, PAUL A. (*See* Gay, Ebert, and Kass), 22
—. (*See* Ellis et al.), 424
EISEMAN, B. Decisions and conflict resolution, 401
—. (*See* Norton, Moore, and Eiseman), 6
ELIAS, E. G. (*See* Karakousis, Elias, and Douglass), 453
ELLIOTT, J. P. (*See* Szilagyi et al.), 800
ELLIS, R. J., KLIGFIELD, P., GAY, W., AND EBERT, P. A. Distal coronary artery bypass: Local occlusion vs. ischemic arrest, 424
EPSTEIN, STEPHEN E. (*See* McIntosh et al.), 768
ESPADA, RAFAEL, WHISENNAND, HARTWELL H., MATTOX, KENNETH L., AND BEALL, ARTHUR C., JR. Surgical management of penetrating injuries to the coronary arteries, 755

F

FANG, WAN-FEN. (*See* Bowen et al.), 515
FEINGOLD, ALFRED. (*See* Gold et al.), 245
FINLEY, R. J., DUFF, J. H., HOLLIDAY, R. L., JONES, D., AND MARCHUK, J. B. Capillary muscle blood flow in human sepsis, 87
FISCHER, JOSEF E., FUNOVICS, JOSEF M., AGUIRRE, ALFONSO, JAMES, J. HOWARD, KEANE, JANE M., WESDORP, ROBERT I. C., YOSHIMURA, NORMAN, AND WESTMAN, THOMAS. The role of plasma amino acids in hepatic encephalopathy, 276
FISCHER, RONALD. (*See* Doberneck, Fischer, and Smith), 334
FISHER, R. (*See* Schwartz et al.), 589
FITZPATRICK, GARRY F., MEGUID, MICHEAL M., O'CONNELL, RUARY C., O'CONNOR, NICHOLAS E., BALL, MARGARET R., AND BRENNAN, MURRAY F. Nitrogen sparing by carbohydrate in man: Intermittent or continuous enteral compared with continuous parenteral glucose, 105
FLINT, LEWIS, GOSDIN, GARY, AND CARRICO, CHARLES J. Evaluation of ventilatory therapy for acid aspiration, 492
FONKALSRUD, ERIC W., SANCHEZ, MANUEL, HIGASHIJIMA, ISAO, AND ARIMA, EITOKU. A comparative study of the effects of dry vs. humidified ventilation on canine lungs, 373
FOSTER, JOHN H. (*See* Dean, Pinkerton, and Foster), 165
FUENFER, MICHAEL M., OLSON, GRANT E., AND POLK, HIRAM C., JR. Effect of various corticosteroids upon the phagocytic bactericidal activity of neutrophils, 27
FUNOVICS, JOSEF M. (*See* Fischer et al.), 276

G

GABELNICK, HENRY L. (*See* Cohen et al.), 238
GARDINER, J. H. (*See* Pisko-Dubienski et al.), 564
GAY, T. C. (*See* Dosios et al.), 261
GAY, WILLIAM A., JR., EBERT, PAUL A., AND KASS, ROBERT M. The protective effects of induced hyperkalemia during total circulatory arrest, 22
—. (*See* Ellis et al.), 424
GENKINS, G. (*See* Papatestas et al.), 343
GHAHRAMANI, ALI. (*See* Kaiser et al.), 749
GILBERT, LAWRENCE. (*See* Parsonnet et al.), 776
GLUECKLICH, BERND. (*See* Baker et al.), 787
GOGAS, JOHN, AND SKALKEAS, GREGORY. Prognosis of mammary carcinoma in young women, 339

GOLD, MARTIN I., DIAZ, PEDRO M., FEINGOLD, ALFRED, DUARTE, IGNACIO, SOHN, YUNG JAI, AND KALLOS, TAMAS. A disposable in vivo oxygen electrode for the continuous measurement of arterial oxygen tension, 245
GOLDIN, ABRAHAM. (*See* Cohen et al.), 238
GOLUB, SIDNEY H. (*See* Roth et al.), 66
GOSDIN, GARY. (*See* Flint, Gosdin, and Carrico), 492
GRACE, T. B. (*See* Schwartz et al.), 589
GRAY, STEPHEN W., SINGHABHANDHU, BHONGTEP, SMITH, RICHARD A., AND SKANDALAKIS, JOHN E. Sacrococcygeal chordoma: Report of a case and review of the literature, 573
GREENBERG, LEONARD J. (*See* Slade et al.), 363
GRISWOLD, MERTON L., JR. George J. Heuer, M.D.—a critical analysis of the role that he played in introducing the residency system of training, 349
GROCE, M. ANN. (*See* Anderson and Groce), 552
Grogan, JAMES B., AND SMITH, George V. Neutrophil function in clinical kidney allograft recipients, 316
GUGGENHEIM, STEPHEN J. (*See* Haberal et al.), 149
GUNNELLS, J. CAULIE. (*See* Wells et al.), 34

H

HABERAL, MEHMET A., POPOVTZER, MORDECAI M., MCDONALD, KEITH M., GUGGENHEIM, STEPHEN J., PICACHE, REGINALDO S., AND PUTNAM, CHARLES W. Failure of angiotensin II inhibitor to modify hyperacute rejection, 149
HACKETT, EARL R. (*See* Kline and Hackett), 54
HAGEMAN, J. H. (*See* Szilagyi et al.), 800
HAGOOD, C. O., Jr. (*See* Shield et al.), 190
HAIMOVICI, HENRY, MOSS, CHARLES M., AND VEITH, FRANK J. Arterial embolectomy revisited (editorial), 409
HAMPEL, N. (*See* Hashmonai et al.), 665
HARRY, ROBERT D. (*See* Holyoke, Davis, and Harry), 526
HASHMONAI, M., HAMPEL, N., AUSLAENDER, L., AND SCHRAMEK, A. Acute abdomen due to torsion of a pedunculated mesenteric fibroma, 665
HAVERKATE, F. (*See* Schalm et al.), 499
HAYES, ANDREW. (*See* Shanik, Hayes, and Barnes), 446
HEANEY, JOHN P., AND JACOBSON, AVRAM. Simplified control of upper abdominal hemorrhage from the vena cava, 138
HEGT, V. NOORDHOEK. (*See* Schalm et al.), 499
HENDERSON, KATHLEEN. (*See* Wright and Henderson), 322
HIGASHIJIMA, ISAO. (*See* Fonkalsrud et al.), 373
HINCHEY, E. J. (*See* MacRae, Chiu, and Hinchey), 254
HOBSON, ROBERT W. (*See* Rich, Hobson, and Collins), 817
HOLLIDAY, R. L. (*See* Finley et al.), 87
HOLMES, E. CARMACK. (*See* Roth et al.), 66
HOLYOKE, EDWARD A., DAVIS, W. CLAYTON, AND HARRY, ROBERT D. Surgical anatomy of the mesocaval shunt, 526
HOROWITZ, S. H. (*See* Papatestas et al.), 343
HUANG, TED T. Reply to Shoul (letter to editors), 683
HUMBERT, JAMES R. (*See* Johnson et al.), 217
HYLAND, GABRIEL. (*See* Simmons et al.), 460

I

IMPARATO, ANTHONY M., KIM, GEUN-FUN, DAVIDSON, THOMAS, AND CROWLEY, J. GERARD. Intermittent claudication: Its natural course, 795
INOKUCHI, KIYOSHI, KOBAYASHI, MICHIO, OGAWA, YUICHIRO, SAKU, MOTONORI, NAGASUE, NAOFUMI, AND IWAKI, ATSUSHI. Results of left gastric vena caval shunt for esophageal varices: Analysis of one hundred clinical cases, 628
IPPOLITO, JOHN J. (*See* Cifarelli et al.), 660
ITSCOITZ, SAMUEL B. (*See* McIntosh et al.), 768
IWAKI, ATSUSHI. (*See* Inokuchi et al.), 628

J

JACOBSON, AVRAM. (*See* Heaney and Jacobson), 138
JACOBSON, EUGENE D. (*See* Bowen et al.), 515
JAFFE, BERNARD M., MOORE, THOMAS C., AND VIGRAN, THOMAS S. Tissue levels of prostaglandin E following heterotropic rat heart allografting, 481
JAMES, J. HOWARD. (*See* Fischer et al.), 276
JERUSALEM, C. (*See* Schalm et al.), 637
JOHNSON, FRANK E., HUMBERT, JAMES R., KUZELA, DONALD C., TODD, JAMES K., AND LILLY, JOHN R. Gastric outlet obstruction due to X-linked chronic granulomatous disease, 217
JOHNSON, RANDALL K. (*See* Cohen et al.), 238
JOHNSON, WILLARD C. (*See* Nabseth et al.), 739
JOHNSTON, WILLIAM E., AND SILVER, DONALD. Effects of drugs and parenteral solutions on vascular fibrinolytic activity, 202
JONES, D. (*See* Finley et al.), 87
JONES, JAMES W. In memoriam to Theodore Drapanas, M.D., 265
JOYNER, C. R. (*See* Dosios et al.), 261

K

KAHN, DONALD R., BACH, FRITZ H., DUFEK, JOHN H., BURKHOLDER, PETER M., AND DACUMOS, GUILLERMO C. Predictive value of mixed leukocyte culture testing on allograft survival in unrelated dogs, 1
KAISER, GERARD A., GHAHRAMANI, ALI, BOLOOKI, HOOSHANG, VARGAS, ABELARDO, THURER, RICHARD J., WILLIAMS, WILLIS H., AND MYERBURG, ROBERT J. Role of coronary artery surgery in patients surviving unexpected cardiac arrest, 749
KALLOS, TAMAS. (*See* Gold et al.), 245
KAMAT, VIJAYLAKSHMI. (*See* Baker et al.), 787
KARAKOUSIS, C. P., ELIAS, E. G., AND DOUGLASS, H. O., JR. Abdominal wall replacement with plastic mesh in ablative cancer surgery, 453
KASS, ROBERT M. (*See* Gay, Ebert, and Kass), 22
KAUFIMAN, H. M. Deep inferior epigastric arteriovenous shunt for hemodialysis, 675
KAY, SAUL. (*See* Pierce, Kay, and Lee), 14
KEANE, JANE M. (*See* Fischer et al.), 276
KEIGHLEY, M. R. B., THOMPSON, H., AND ALEXANDER-WILLIAMS, J. Multifocal colonic carcinoma and Crohn's disease, 534
KERR, JOHN C. (*See* Zinner, Kerr, and Reynolds), 381
KIM, GEUN-FUN. (*See* Imparato et al.), 795
KIM, U. (*See* Papatestas et al.), 343
KIVISAARI, JAAKKO, AND NIINIKOSKI, JUHA. Oxygen tensions in healing anastomosis of rabbit aorta, 169
KLIGFIELD, P. (*See* Ellis et al.), 424
KLINE, DAVID G., AND HACKET, EARL R. Reappraisal of timing for exploration of civilian peripheral nerve injuries, 54
KOBAYASHI, MICHIO. (*See* Inokuchi et al.), 628

KOPPELMANN, LOIS E., MOORE, THOMAS C., LEMMI, CARLOS A. E., AND PORTER, DAVID D. Accumulation of mononuclear cells in tumors with growth slowing and elevation in host splenic histidine decarboxylase activity following repeated tumor injections with bradykinin, 181
KORNFELD, P. (*See* Papatestas et al.), 343
KOSS, MICHEAL. (*See* Weil et al.), 142
KRAJEWSKI, CAROL. (*See* Williams et al.), 694
KROM, R. A. F. (*See* Schalm et al.), 499
—. (*See* Schalm et al.), 637
KULLER, LEWIS H. (*See* Stolley and Kuller), 123
KUSEK, JOYCE M. (*See* Baek et al.), 304
KUZELA, DONALD C. (*See* Johnson et al.), 217
KUZMA, JOSEPH F. (*See* DeCosse et al.), 608
KWAAN, JACK H. M., VANDER MOLEN, RONALD, STEMMER, EDWARD A., AND CONNOLLY, JOHN E. Peripheral embolism resulting from unsuspected atheromatous aortic plaques, 583

L

LAJOS, THOMAS Z. (*See* Cerra et al.), 95
LAKS, HILLEL, PILON, ROBERT N., ANDERSON, WARWICK, MACCALLUM, JOHN R., O'CONNOR, NICHOLAS E. Intraoperative prebleeding in man: Effect of colloid hemodilution on blood volume, lung water, hemodynamics, and oxygen transport, 130
LAM, K. H. (*See* Miller, Lam, and Ong), 543
LAUFMAN, HAROLD, AND ROSENBERG, NORMAN. Television in the operating room, 273
LEE, HYUNG M. (*See* Pierce, Kay, and Lee), 14
LEE, KYO RAK, WALLS, WILLIAM J., MARTIN, NORMAN L., AND TEMPLETON, ARCH W. A practical approach to the diagnosis of abdominal aortic aneurysms, 195
LEE, S. T. (*See* Singh, Shah, and Lee), 613
LEMMI, CARLOS A. E. (*See* Koppelmann et al.), 181
LESKER, PEGGY A. (*See* Simmons et al.), 460
LILLY, JOHN R., AND ALTMAN, R. PETER. Heptic portoenterostomy (the Kasai operation) for biliary atresia, 76
—. (*See* Johnson et al.), 217
LINDSTROM, R. (*See* Nicell et al.), 555
LO GERFO, PAUL. (*See* DeCosse et al.), 608

M

MACCALLUM, JOHN R. (*See* Laks et al.), 130
MACRAE, M. L., CHIU, C. J., AND HINCHEY, E. J. Effects of exogenous cyclic adenosine monophosphate in hemorrhagic shock, 254
MAGILLIGAN, DONALD J., JR., DEWEESE, JAMES A., MAY, ALLYN G., AND ROB, CHARLES G. The occluded renal artery, 730
MAGOVERN, G. J. (*See* Dosios et al.), 261
MAIR, DOUGLAS D. (*See* Parker et al.), 761
MAKABALI, GILBERT G. (*See* Baek et al.), 304
MALAMUD, DANIEL. (*See* Dijkhuis et al.), 476
MALONE, JAMES M., MOORE, WESLEY S., CAMPAGNA, GARY, AND BEAN, BARTON. Bacteremic infectability of vascular grafts: The influence of pseudointimal integrity and duration of graft function, 211
MALONEY, JAMES V., JR. (*See* Brazier, Maloney, and Buckberg), 430
MALT, RONALD A. (*See* Dijkhuis et al.), 476
MANHARDT, MARJORIE. (*See* Parsonnet et al.), 776
MANLEY, N. J. (*See* Tyers et al.), 45
MARCHUK, J. B. (*See* Finley et al.), 87
MARCUS, ELLIOTT. (*See* Baker et al.), 787
MARTIN, NORMAN L. (*See* Lee et al.), 195
MATTOX, KENNETH L. (*See* Espada et al.), 755
MAY, ALLYN G. (*See* Magilligan et al.), 730
MCDONALD, KEITH M. (*See* Haberal et al.), 149
MCGOON, DWIGHT C. (*See* Parker et al.), 761
MCINTOSH, CHARLES L., MICHAELIS, LAWRENCE L., MORROW, ANDREW G., ITSCOITZ, SAMUEL B., REDWOOD, DAVID R., AND EPSTEIN, STEPHEN E. Atrioventricular valve replacement with the Hancock porcine xenograft: A five year clinical experience, 768
MCINTOSH, RAWLE M. (*See* Weil et al.), 142
MEGUID, MICHEAL M. (*See* Fitzpatrick et al.), 105
MICHAELIS, LAWRENCE L. (*See* McIntosh et al.), 768
MIDHA, D. (*See* Ram and Midha), 224
MILLER, H., LAM, K. H., AND ONG, G. B. Observations of pressure waves in stomach, jejunal, and colonic loops used to replace the esophagus, 543
MONCRIEF, JOHN A. (*See* Voegele and Moncrief), 251
MONTES, MARIO. (*See* Cerra et al.), 95
MOORE, G. (*See* Norton, Moore, and Eiseman), 6
MOORE, THOMAS C. (*See* Koppelmann et al.), 181
—. (*See* Jaffe, Moore, and Vigran), 481
—. (*See* Shabot et al.), 560
MOORE, WESLEY S. (*See* Malone et al.), 211
MORROW, ANDREW G. (*See* McIntosh et al.), 768
MORTON, DONALD L. (*See* Roth et al.), 66
—. (*See* Roth and Morton), 160
MOSS, CHARLES M. (*See* Haimovici, Moss, and Veith) (editorial), 409
MOSS, GERALD. Techniques to aid in hernia repair complicated by "loss of domain" (letter to editors), 408
MYERBURG, ROBERT J. (*See* Kaiser et al.), 749
MYERS, GEORGE H. (*See* Parsonnet et al.), 776

N

NABSETH, DONALD C., WIRDICH, WARREN C., O'HARA, EDWARD T., AND JOHNSON, WILLARD C. Flow and pressure characteristics of the portal system before and after splenorenal shunts, 739
NAGASUE, NAOFUMI. (*See* Inokuchi et al.), 628
NAJARIAN, JOHN S. (*See* Tersigni, Toledo-Pereyra, and Najarian), 599
NELSON, RUSSELL M. Era of extracorporeal respiration, 685
NICELL, P., TABRISKY, J., LINDSTROM, R., AND PETER, M. Thigh emphysema and hip pain secondary to gastrointestinal perforation, 555
NICOLOFF, DEMETRE M. (*See* Zieve, Nicoloff, and Doizaki), 414
—. (*See* Schwartz et al.), 589
NIEBAUER, I. M. (*See* Tyers et al.), 45
NIINIKOSKI, JUHA. (*See* Kivisaari and Niinikoski), 169
NORTON, L., MOORE, G., AND EISEMAN, B. Liver failure in the postoperative patient: The role of sepsis and immunologic deficiency, 6
NOVIN, NEIL. Redundancy in surgical literature (letter to editors), 682
NOZAWA, MASUMI. (*See* Weil et al.), 142

O

O'CONNELL, RUARY C. (*See* Fitzpatrick et al.), 105
O'CONNOR, NICHOLAS E. (*See* Fitzpatrick et al.), 105
—. (*See* Laks et al.), 130
OGAWA, YUICHIRO. (*See* Inokuchi et al.), 628
O'HARA, EDWARD T. (*See* Nabseth et al.), 739
OLSON, GRANT E. (*See* Fuenfer, Olson, and Polk), 27

ONG, G. B. (*See* Miller, Lam, and Ong), 543

P

PAPATESTAS, A. E., KIM, U., GENKINS, G., KORNFELD, P., HOROWITZ, S. H., AUFSES, A. H., JR. The association of carcinoembryonic antigen and peripheral lymphocytes, 343
PARKE, ROBERT. (*See* Shavelle and Parke), 439
PARKER, RICHARD K., MCGOON, DWIGHT C., DANIELSON, GORDON K., WALLACE, ROBERT B., AND MAIR, DOUGLAS D. Repair of truncus arteriosus in patients with prior banding of the pulmonary artery, 761
PARKS, LEON C. (*See* Williams et al.), 694
PARSONNET, VICTOR, MYERS, GEORGE, H., GILBERT, LAWRENCE, AND ZUCKER, I. RICHARD. With the assistance of SHILLING, ESTHER, AND MANHARDT, MARJORIE. Clinical experience with nuclear pacemakers, 776
—. (*See* Brenner et al.), 668
PAWLIK, WIESLAW. (*See* Bowen et al.), 515
PENNINGTON, D. GLENN, AND DRAPANAS, THEODORE. Acute post-traumatic coarctation of the abdominal aorta, 538
PETER, M. (*See* Nicell et al.), 555
PICACHE, REGINALDO S. (*See* Haberal et al.), 149
PIERCE, JAMES C., KAY, SAUL, AND LEE, HYUNG M. Donor-specific IgG antibody and the chronic rejection of human renal allografts, 14
PILON, ROBERT N. (*See* Laks et al.), 130
PINKERTON, JOSEPH A. (*See* Dean, Pinkerton, and Foster), 165
PISKO-DUBIENSKI, A. Z., BAIRD, R. J., WILSON, D. R., BAYLISS, C. E., GARDINER, J. H., AND SEPP, H. Identification and successful treatment of congenital microfistulas with the aid of directional Doppler, 564
POLK, HIRAM C., JR. Quantitative tracheal cultures in surgical patients requiring mechanical ventilatory assistance, 485
—. (*See* Fuenfer, Olson, and Polk), 27
POPESCU, D. T. (*See* Schalm et al.), 499
—. (*See* Schalm et al.), 637
POPOVTZER, MORDECAI M. (*See* Haberal et al.), 149
PORTER, DAVID D. (*See* Koppelmann et al.), 181
POSTLETHWAIT, R. W. Rate of breaking strength loss of absorbable sutures in the stomach, 531
PUTNAM, CHARLES W. (*See* Haberal et al.), 149

R

RAM, M. D., AND MIDHA, D. Adenomyomatosis of the gallbladder, 224
REDWOOD, DAVID R. (*See* McIntosh et al.), 768
REEMTSMA, KEITH. (*See* Weil et al.), 142
REPETTO, ROBERT. (*See* Welsh and Repetto), 389
RESTALL, D. SEAN. (*See* Skillman, Restall, and Salzman), 291
REYNOLDS, DAVID G. (*See* Zinner, Kerr, and Reyonlds), 381
RHEINLAND, HAROLD F. (*See* Carney et al.), 114
RHODES, GLEN R., AND SILVER, DONALD. Periepicardial fibrinolytic activity: Relation to cardiac bleeding, 230
RICH, NORMAN M., HOBSON, ROBERT W., AND COLLINS, GEORGE J., JR. Traumatic arteriovenous fistulas and false aneurysms: A review of 558 lesions, 817
RICHARDSON, J. D. (*See* Shield et al.), 190
ROB, CHARLES G. (*See* Magilligan et al.), 730
ROSENBERG, NORMAN. (*See* Laufman and Rosenberg), 273
ROTH, JACK. (*See* Williams et al.), 694
ROTH, JACK A., GOLUB, SIDNEY H., HOLMES, E. CARMACK, AND MORTON, DONALD L. Effect of bacillus Calmette-Guerin immunotherapy on tumor antigen–induced lymphocyte-stimulated protein synthesis in melanoma patients, 66
—, AND MORTON, DONALD L. Delayed cutaneous hypersensitivity reactions to melanoma antigen, 160
RUBIN, BARRY. (*See* Cifarelli et al.), 660

S

SABISTON, DAVID C., JR. In memoriam to Theodore Drapanas, M.D., 265
SAKO, Y. (*See* Schwartz et al.), 589
SAKU, MOTONORI. (*See* Inokuchi et al.), 628
SALZMAN, EDWIN W. (*See* Skillman, Restall, and Salzman), 291
SANCHEZ, MANUEL. (*See* Fonkalsrud et al.), 373
SATO, TOSHIO. (*See* Sekine, Tsukamoto, and Sato), 508
SCHALM, S. W., TERPSTRA, J. L., ACHTERBERG, J. R., HEGT, V. NOORDHOEK, HAVERKATE, F., POPESCU, D. T., KROM, R. A. F., AND VELTKAMP, J. J. Orthotopic liver transplantation: An experimental study on mechanisms of hemorrhagic diathesis and thrombosis, 499
—, —, POPESCU, D. T., KROM, R. A. F., AND JERUSALEM, C. Orthotopic liver transplantation after preservation without perfusion for up to six hours: A controlled trial evaluating different preservation fluids in dogs and pigs, 637
SCHNEIDER, ARTHUR B. (*See* Wells et al.), 34
SCHRAMEK, A. (*See* Hashmonai et al.), 665
SCHWARTZ, M. L., FISHER, R., SAKO, Y., CASTANEDA, A. R., GRAGE, T. B., AND NICOLOFF, D. M. Post-traumatic aneurysms of the thoracic aorta, 589
SCOTT, STEWART M. (*See* Sethi, Scott, and Takaro), 154
SEKINE, TAKESHI, TSUKAMOTO, MASARU, AND SATO, TOSHIO. An evaluation of segmental gastrectomy for gastric ulcer: One to ten year follow-up, 508
SEPP, H. (*See* Pisko-Dubienski et al.), 564
SETHI, GULSHAN K., SCOTT, STEWART M., AND TAKARO, TIMOTHY. Multiple-plane angiography for more precise evaluation of aortoiliac disease, 154
SHABOT, M. MICHAEL, ASCH, MORRIS J., MOORE, THOMAS C., AND STATE, DAVID. Benign obstructing papilloma of the ampulla of Vater in infancy, 560
SHAH, R. C. (*See* Singh, Shah, and Lee), 613
SHANIK, GREGOR, HAYES, ANDREW, AND BARNES, ROBERT W. Foot vascular resistance index: A noninvasive method to assess foot vasomotor tone, 446
SHAVELLE, HENRY S., AND PARKE, ROBERT. Postoperative metabolic alkalosis and acute renal failure: Rationale for the use of hydrochloric acid, 439
SHELBURNE, JOHN D. (*See* Wells et al.), 34
SHERWOOD, LOUIS M. (*See* Wells et al.), 34
SHIEBER, WILLIAM. Recurrent renal calculi: The need for adequate work-up (editorial), 126
SHIELD, C. F., III, RICHARDSON, J. D., BUCKLEY, C. J., AND HAGOOD, C. O., JR. Pseudoaneurysm of the brachiocephalic arteries: A complication of percutaneous internal jugular vein catheterization, 190
SHILLING, ESTHER. (*See* Parsonnet et al.), 776

SHIN, CHOON S. (*See* Cifarelli et al.), 660
SHOEMAKER, WILLIAM C. Reply to Novin (letter to editors), 682
—. (*See* Baek et al.), 304
—. (*See* Tiefenbrun, Dikman, and Shoemaker), 618
SHOUL, MELVIN I. Adjustable razor dermatome (letter to editors), 683
SHUMACKER, HARRIS B, JR. The spoken and written word: A vignette of Elliott C. Cutler (editorial), 121
—. The value of accurate observations and clear clinical reports: A tribute to Harvey W. Cushing, 269
SIEGEL, JOHN H. (*See* Cerra et al.), 95
SIKKEMA, WESLEY W. (*See* Wayne, Clarfield, and Sikkema), 264
SILVER, DONALD. (*See* Johnston and Silver), 202
—. (*See* Rhodes and Silver), 230
SIMMONS, DAVID J., HYLAND, GABRIEL, LESKER, PEGGY A., COHEN, MICHAEL, STEIN, THEODORE, AND WISE, LESLIE. The effects of small-bowel resection or bypass on the rat skeleton, 460
SIMMONS, RICHARD L. (*See* Slade et al.), 363
SINGH, R. P., SHAH, R. C., AND LEE, S. T.: Acute mesenteric vascular occlusion: A review of thirty-two patients, 613
SINGHABHANDHU, BHONGTEP. (*See* Gray et al.), 573
SKALKEAS, GREGORY. (*See* Gogas and Skalkeas), 339
SKANDALAKIS, JOHN E. (*See* Gray et al.), 573
SKILLMAN, JOHN J., RESTALL, D. SEAN, AND SALZMAN, EDWIN W. Randomized trial of albumin vs. electrolyte solutions during abdominal aortic operations, 291
SLADE, MICHAEL S., SIMMONS, RICHARD L., YUNIS, EDMOND, AND GREENBERG, LEONARD J. Immunodepression after major surgery in normal patients, 363
SMITH, DANIEL. (*See* Doberneck, Fischer, and Smith), 334
SMITH, GEORGE V. (*See* Grogan and Smith), 316
SMITH, R. F., (See Szilagyi et al.), 800
SMITH, RICHARD A. (*See* Gray et al.), 573
SOHN, YUNG JAI. (*See* Gold et al.), 245
SPENCER, FRANK C. Observations on the functioning of committees, 394
STATE, DAVID. (*See* Shabot et al.), 560
STEIN, THEODORE. (*See* Simmons et al.), 460
STEMMER, EDWARD A. (*See* Kwaan et al.), 583
STOLLEY, PAUL D., AND KULLER, LEWIS H. The need for epidemiologists and surgeons to cooperate in the evaluation of surgical therapies (editorial), 123
STROZIER, ANNE, AND BALLINGER, WALTER F. The social worker and the surgeon (editorial), 128
SZILAGYI, D. E., SMITH, R. F., ELLIOTT, J. P., HAGEMAN, J. H., AND DALL'OLMO, C. A. Anastomotic aneurysms after vascular reconstruction: Problems of incidence, etiology, and treatment, 800

T

TABRISKY, J. (*See* Nicell et al.), 555
TAKARO, TIMOTHY. (*See* Sethi, Scott, and Takaro), 154
TEMPLETON, ARCH W. (*See* Lee et al.), 195
TER HAAR, ADOLF. (*See* Williams et al.), 694
TERPSTRA, J. L. (*See* Schalm et al.), 499
—. (*See* Schalm et al.), 637
TERSIGNI, ROBERTO, TOLEDO-PEREYRA, LUIS H., AND NAJARIAN, JOHN S. Effects of methylprednisolone, glucagon, and allopurinol in the protection of pancreaticoduodenal allografts perfused for twenty-four hours, 599
THOMPSON, H. (*See* Keighley, Thompson, and Alexander-Williams), 534
THURER, RICHARD J. (*See* Kaiser et al.), 749
TIEFENBRUN, J., DIKMAN, S., AND SHOEMAKER, W. C. The correlation of sequential changes in the distribution of pulmonary blood flow in hemorrhagic shock with the histopathologic anatomy, 618
TODD, G. J. (*See* Tyers et al.), 45
TODD, JAMES K. (*See* Johnson et al.), 217
TOLEDO-PEREYRA, LUIS H. (*See* Tersigni, Toledo-Pereyra, and Najarian), 599
TSUKAMOTO, MASARU. (*See* Sekine, Tsukamoto, and Sato), 508
TYERS, G. FRANK O., TODD, G. J., NIEBAUER, I. M., MANLEY, N. J., AND WALDHAUSEN, J. A. The mechanism of myocardial damage following potassium citrate (Melrose) cardioplegia, 45

V

VAN URK, HERO. (*See* Dijkhuis et al.), 476
VANDLER MOLEN, RONALD. (*See* Kwaan et al.), 583
VARGAS, ABELARDO. (*See* Kaiser et al.), 749
VEITH, FRANK J. (*See* Haimovici, Moss, and Veith) (editorial), 409
VELTKAMP, J. J. (*See* Schalm et al.), 499
VIGRAN, THOMAS S. (*See* Jaffe, Moore, and Vigran), 481
VINCENZI, ROSINA B. (*See* Bloom et al.), 594
VOEGELE, L. DIETER, AND MONCRIEF, JOHN A. Adenocarcinoma of the jejunum in an 18-year-old patient: A case report, 251
VOHMAN, DARIUS. (*See* Bloom et al.), 594

W

WALDHAUSEN, J. A. (*See* Tyers et al.), 45
WALLACE, ROBERT B. (*See* Parker et al.), 761
WALLS, WILLIAM J. (*See* Lee et al.), 195
WATSON, C. WESLEY. (*See* Baker et al.), 787
WAYNE, ROBERT, CLARFIELD, RICHARD, AND SIKKEMA, WESLEY W. Congenital atresia of a T tube (letter to editors), 264
WEBER, COLLIN. (*See* Weil et al.), 142
WEIL, RICHARD, III, NOZAWA, MASUMI, KOSS, MICHEAL, WEBER, COLLIN, REEMTSMA, KEITH, AND MCINTOSH, RAWLE M. Pancreatic transplantation in diabetic rats: Renal function, morphology, ultrastructure, and immunohistology, 142
WEISS, JOHN B. (*See* Burnsed et al.), 176
WELLS, SAMUEL A., JR., GUNNELLS, J. CAULIE, SHELBURNE, JOHN D., SCHNEIDER, ARTHUR B., AND SHERWOOD, LOUIS M. Transplantation of the parathyroid glands in man: Clinical indications and results, 34
WELSH, PATRICIO, AND REPETTO, ROBERT. Revascularization of the profunda femoris artery in aortoiliac occlusive disease, 389
WESDORP, ROBERT I. C. (*See* Fischer et al.), 276
WESTMAN, THOMAS. (*See* Fischer et al.), 276
WHELCHEL, JOHN D. (*See* Cho, Whelchel, and Colberg), 472
WHISENNAND, HARTWELL H. (*See* Espada et al.), 755
WIDRICH, WARREN C. (*See* Nabseth et al.), 739
WILLIAMS, G. DOYNE. (*See* Burnsed et al.), 176

WILLIAMS, G. MELVILLE, TER HAAR, ADOLF, KRAJEWSKI, CAROL, PARKS, LEON C., AND ROTH, JACK. Rejection and repair of endothelium in major vessel transplants, 694
WILLIAMS, WILLIS H. (*See* Kaiser et al.), 749
WILSON, D. R. (*See* Pisko-Dubienski et al.), 564
WISE, LESLIE. (*See* Simmons et al.), 460
WRIGHT, PETER D., AND HENDERSON, KATHLEEN. Cellular glucose utilization during hemorrhagic shock in the pig, 322

Y

YOSHIMURA, NORMAN. (*See* Fischer et al.), 276
YU, LUKE C. C. (*See* Yu, Yu, and Chou), 520
YU, Y. M., YU, LUKE C. C., AND CHOU, C. C. Distribution of blood flow in the intestine with hypertonic glucose in the lumen, 520
YUNIS, EDMOND. (*See* Slade et al.), 363

Z

ZIEVE, LESLIE, NICOLOFF, DEMETRE, AND DOIZAKI, WILLIAM. Effect of total hepatectomy on selected cerebral substrates and enzymes of the glycolytic pathways and Krebs cycle, 414
ZINNER, MICHAEL J., KERR, JOHN C., AND REYNOLDS, DAVID G. Hemodynamic effects of intra-arterial infusions of catecholamines on the canine gastric circulation, 381
ZUCKER, I. RICHARD. (*See* Parsonnet et al.), 776

SUBJECT INDEX*

A

Abdomen, acute, due to torsion of pedunculated mesenteric fibroma (Hashmonai et al.), 665

Abdominal aorta, acute post-traumatic coarctation of (Pennington and Drapanas), 538

aortic aneurysms, Practical approach to diagnosis of (Lee et al.), 195

operation, randomized trial of albumin vs. electrolyte solutions during (Skillman, Restall, and Salzman), 291

hemorrhage, upper, simplified control of, from vena cava (Heaney and Jacobson), 138

wall replacement with plastic mesh in ablative cancer surgery (Karakousis, Elias, and Douglass), 453

Absorbable sutures in stomach, rate of breaking strength loss of (Postlethwait), 531

Acid, ascorbic, effect of, on rectal polyps of patients with familial polyposis (DeCosse et al.), 608

aspiration, evaluation of ventilatory therapy for (Flint, Gosdin, and Carrico), 492

hydrochloric, rationale for use of: postoperative metabolic alkalosis and acute renal failure (Shavelle and Parke), 439

Adenocarcinoma of jejunum in 18-year-old patient: case report (Voegele and Moncrief), 251

Adenomyomatosis of gallbladder (Ram and Midha), 224

Adenosine monophosphate, exogenous cyclic, in hemorrhagic shock, effects of (Mac Rae, Chiu, and Hinchey), 254

Albumin vs. electrolyte solutions, randomized trial of, during abdominal aortic operation (Skillman, Restall, and Salzman), 291

Alkalosis, postoperative metabolic, and acute renal failure: rationale for use of hydrochloric acid (Shavelle and Parke), 439

Allograft(s), human renal, chronic rejection of, donor-specific IgG antibody and (Pierce, Kay, and Lee), 14

pancreaticoduodenal, perfused for twenty-four hours, effects of methylprednisolone, glucagon, and allopurinol in protection of (Tersigni, Toledo-Pereyra, and Najarian), 599

recipients, clinical kidney, neutrophil function in (Grogan and Smith), 316

survival in unrelated dogs, predictive value of mixed leukocyte culture testing on (Kahn et al.), 1

Allografting, heterotopic rat heart, tissue levels of prostaglandin E following (Jaffe, Moore, and Vigran), 481

Allopurinol, methylprednisolone, and glucagon, effects of, in protection of pancreaticoduodenal allografts perfused for twenty-four hours (Tersigni, Toledo-Pereyra, and Najarian), 599

Amino acids, plasma, role of, in hepatic encephalopathy (Fischer et al.), 276

Ampulla of Vater, benign obstructing papilloma of, in infancy (Shabot et al.), 560

Anastomosis(es), arteriovenous, in stomach, paucity of (Delaney), 411

of rabbit aorta, oxygen tensions in healing of (Kivisaari and Niinikoski), 169

Anastomotic aneurysms after vascular reconstruction: problems of incidence, etiology, and treatment (Szilagyi et al.), 800

Aneurysm(s), abdominal aortic, practical approach to diagnosis of (Lee et al.), 195

anastomotic, after vascular reconstruction: problems of incidence, etiology, and treatment (Szilagyi et al.), 800

false, traumatic arteriovenous fistulas and: review of 558 lesions (Rich, Hobson, and Collins), 817

of polar renal artery (Cifarelli et al.), 660

post-traumatic, of thoracic aorta (Schwartz et al.), 589

Angiography, multiple-plane, for more precise evaluation of aortoiliac disease (Sethi, Scott, and Takaro), 154

Angiotensin II inhibitor, failure of, to modify hyperacute rejection (Haberal et al.), 149

Anoxia, prolonged myocardial ischemic, reperfusion injury following: hemorrhagic infarction (Cerra et al.), 95

Antibody, antidonor, post-transplant function of cadaver kidneys preserved with plasma perfusate containing (Cho, Whelchel, and Colberg), 472

donor-specific IgG, and chronic rejection of human renal allografts (Pierce, Kay, and Lee), 14

Antidonor antibody, post-transplant function of cadaver kidneys preserved with plasma perfusate containing (Cho, Whelchel, and Colberg), 472

Antigen, carcinoembryonic, and peripheral lymphocytes, association of (Papatestas et al.), 343

melanoma, delayed cutaneous hypersensitivity reactions to (Holmes, Roth, and Morton), 160

tumor, induced lymphocyte-stimulated protein synthesis in melanoma patients, effect of bacillus Calmette-Guerin immunotherapy on (Roth et al.), 66

Antineoplastic agents, effects of, on wound healing in mice (Cohen et al.), 238

*July, pp. 1-120; August, pp. 121-264; September, pp. 265-408; October, pp. 409-542; November, pp. 543-684; December, pp. 685-848.

Aorta, abdominal, acute post-traumatic coarctation of (Pennington annd Drapanas), 538
rabbit, oxygen tensions in healing anastomosis of (Kivisaari and Niinikoski), 169
thoracic, post-traumatic aneurysms of (Schwartz et al.), 589
Aortic, abdominal, operation, randomized trial of albumin vs. electrolyte solutions during (Skillman, Restall, and Salzman), 291
aneurysms, abdominal, practical approach to diagnosis of (Lee et al.), 195
arch injury, relative merits of heparin-bonded shunt vs. femerofemoral bypass for (Burnsed et al.), 176
dissection, acute, control of (Carney, Rheinlander, and Cleveland), 114
plaques, unsuspected atheromatous, peripheral embolism resulting from (Kwaan et al.), 583
Aortoiliac disease, multiple-plane angiography for more precise evaluation of (Sethi, Scott, and Takaro), 154
occlusive disease, revascularization of profunda femoris artery in (Welsh and Repetto), 389
Arch, aortic, injury, relative merits of heparin-bonded shunt vs. femerofemoral bypass for (Burnsed et al.), 176
Arrest, unexpected cardiac, role of coronary artery surgery in patients surviving (Kaiser et al.), 749
Arterial embolectomy revisited (Haimovici, Moss, and Veith), 409
healing, nature of, following dextran treatment of experimental small artery trauma (Bloom et al.), 594
oxygen tension, disposable in vivo oxygen electrode for continuous measurement of (Gold et al.), 245
Arteriosus, truncus, repair of, in patients with prior banding of pulmonary artery (Parker et al.), 761
Arteriovenous anastomoses in stomach, paucity of (Delaney), 411
dialysis fistulas to correct high-output cardiac failure, banding of (Anderson and Groce), 552
fistulas, traumatic, and false aneurysms: review of 558 lesions (Rich, Hobson, and Collins), 817
shunt, epigastric, deep inferior, for hemodialysis (Kauffman), 675
Artery(ies), brachiocephalic, pseudoaneurysm of: complication of percutaneous internal jugular vein catheterization (Shield et al.), 190
coronary, surgery, role of, in patients surviving unexpected cardiac arrest (Kaiser et al.), 749
surgical management of penetrating injuries to (Espada et al.), 755
occluded renal (Magilligan et al.), 730
patent coronary, papillary muscle ischemia with (Brazier, Maloney, and Buckberg), 430
polar renal, aneurysm of (Cifarelli et al.), 660
profunda femoris, revascularization of, in aortoiliac occlusive disease (Welsh and Repetto), 389
Artery(ies)—Cont'd
pulmonary, repair of truncus arteriosus in patients with prior banding of (Parker et al.), 761
trauma, experimental small, nature of arterial healing following dextran treatment of (Bloom et al.), 594
Ascorbic acid, effect of, on rectal polyps of patients with familial polyposis (DeCosse et al.), 608
Aspiration, acid, evaluation of ventilatory therapy for (Flint, Gosdin, and Carrico), 492
Atheromatous aortic plaques, unsuspected, peripheral embolism resulting from (Kwaan et al.), 583
Atresia, biliary, hepatic portoenterostomy (Kasai operation) for (Lilly and Altman), 76
congenital, of T tube (Wayne, Clarfeld, and Sikkema) (letter to editors), 264
Atrioventricular valve replacement with Hancock porcine xenograft: five year experience (McIntosh et al.), 768

B

Bacillus Calmette-Guerin immunotherapy, effect of, on tumor antigen–induced lymphocyte-stimulated protein synthesis in melanoma patients (Roth et al.), 66
Bacteremic infectability of vascular grafts: influence of pseudointimal integrity and duration of graft function (Malone et al.), 211
Bactericidal, phagocytic, activity of neutrophils, effect of various corticosteroids upon (Fuenfer, Olson, and Polk), 27
Banding of arteriovenous dialysis fistulas to correct high-output cardiac failure (Anderson and Groce), 552
Biliary atresia, hepatic portoenterostomy (Kasai operation) for (Lilly and Altman), 76
Bleeding, cardiac, relation of periepicardial fibrinolytic activity to (Rhodes and Silver), 230
Blood flow, capillary muscle, in human sepsis (Finley et al.), 87
distribution of, in intestine with hypertonic glucose in lumen (Yu, Yu, and Chou), 520
intestinal oxygen consumption and, pharmacologic effects of gastrointestinal hormones on (Bowen et al.), 515
pulmonary, in hemorrhagic shock, correlation of sequential changes in distribution of, with histopathologic anatomy (Tiefenbrun, Dikman, and Shoemaker), 618
volume, lung water, hemodynamics, and oxygen transport, effect of colloid hemodilution on: intraoperative prebleeding in man (Laks et al.), 130
relationship of, to hematocrit, CVP, pulmonary wedge pressure, and cardiorespiratory changes; plasma expansion in surgical patients with high central venous pressure (CVP) (Baek et al.), 304
Brachiocephalic arteries, pseudoaneurysm of: complication of percutaneous internal jugular vein catheterization (Shield et al.), 190

Bradykinin, accumulation of mononuclear cells in tumors with growth slowing and elevation in host splenic histidine decarboxylase activity following repeated tumor injections with (Koppelmann et al.), 181
Bypass, distal coronary artery: local occlusion vs. ischemic arrest (Ellis et al.), 424
femerofemoral, vs. heparin-bonded shunt, relative merits of, for aortic arch injury (Burnsed et al.), 176
grafts, femoropopliteal saphenous vein, by gastrocnemius muscle, iatrogenic entrapment of (Brener et al.), 668
resection or, small-bowel, effects of, on rat skeleton (Simmons et al.), 460

C

Cadaver kidneys preserved with plasma perfusate containing antidonor antibody, posttransplant function of (Cho, Whelchel, and Colberg), 472
Calculi, recurrent renal: need for adequate workup (Shieber) (editorial), 126
Calmette-Guerin, bacillus, immunotherapy, effect of, on tumor antigen–induced lymphocyte-stimulated protein synthesis in melanoma patients (Roth et al.), 65
Cancer surgery, ablative, abdominal wall replacement with plastic mesh in (Karakousis, Elias, and Douglass), 453
Canine gastric circulation, hemodynamic effects of intra-arterial infusions of catecholamines on (Zinner, Kerr, and Reynolds), 381
lungs, comparative study of effects of dry vs. humidified ventilation on (Fonkalsrud et el.), 373
Capillary muscle blood flow in human sepsis (Finley et al.), 87
Carbohydrate, nitrogen sparing by, in man: intermittent or continuous enteral compared with continuous parenteral glucose (Fitzpatrick et al.), 105
Carcinoembryonic antigen and peripheral lymphocytes, association of (Papatestas et al.), 343
Carcinoma, mammary, in young women, prognosis of (Gogas and Skalkeas), 339
multifocal colonic, and Crohn's disease (Keighley, Thompson, and Alexander-Williams), 534
Cardiac arrest, unexpected, role of coronary artery surgery in patients surviving (Kaiser et al.), 749
bleeding, relation of periepicardial fibrinolytic activity to (Rhodes and Silver), 230
failure, high-output, banding of arteriovenous dialysis fistulas to correct (Anderson and Groce), 552
tamponade complicating percutaneous catheterization of subclavian vein (Dosios et al.), 261
Cardioplegia, potassium citrate (Melrose), mechanism of myocardial damage following (Tyers et al.), 45
Cardiorespiratory, hematocrit, CVP, and pulmonary wedge pressure changes, relationship of blood volume to, plasma expansion in surgical patients with high central venous pressure (CVP) (Baek et al.), 304
Carotid study, evaluation of electroencephalographic monitoring for (Baker et al.), 787
Catecholamines, intra-arterial infusions of, hemodynamic effects of, on canine gastric circulation (Zinner, Kerr, and Reynolds), 381
Catheterization, percutaneous internal jugular vein, complication of: pseudoaneurysm of brachiocephalic arteries (Shield et al.), 190
of subclavian vein, cardiac tamponade complicating (Dosios et al.), 261
Caval, vena, shunt, left gastric, results of, for esophageal varices: analysis of one hundred clinical cases (Inokuchi et al.), 628
Cells, mononuclear, in tumors, accumulation of, with growth slowing and elevation in host splenic histidine decarboxylase activity following repeated tumor injections with bradykinin (Koppelmann et al.), 181
Cellular glucose utilization during hemorrhagic shock in pig (Wright and Henderson), 322
Central venous pressure (CVP), hematocrit, pulmonary wedge pressure, and cardiorespiratory changes, relationship of blood volume to; plasma expansion in surgical patients with high central venous pressure (CVP) (Baek et al.), 304
high, plasma expansion in surgical patients with; relationship of blood volume to hematocrit, CVP, pulmonary wedge pressure, and cardiorespiratory changes (Baek et al.), 304
Cerebral substrates and enzymes, selected, of glycolytic pathways and Krebs cycle, effect of total hepatectomy on (Zieve, Nicoloff, and Doizaki), 414
Chordoma, sacrococcygeal: report of case and review of literature (Gray et al.), 573
Chronic granulomatous disease, X-linked, gastric outlet obstruction due to (Johnson et al.), 217
Circulation, canine gastric, hemodynamic effects of intra-arterial infusions of catecholamines on (Zinner, Kerr, and Reynolds), 381
Circulatory arrest, total, protective effects of induced hyperkalemia during (Gay, Ebert, and Kass), 22
Claudication, intermittent: its natural course (Imparato et al.), 795
Coarctation, acute post-traumatic, of abdominal aorta (Pennington and Drapanas), 538
Collagen-induced topical hemostasis, effectiveness and mechanism of (Abbott and Austen), 723
Colloid hemodilution, effect of, on blood volume, lung water, hemodynamics, and oxygen transport: intraoperative prebleeding in man (Laks et al.), 130
Colonic, multifocal, carcinoma and Crohn's disease (Keighley, Thompson, and Alexander-Williams), 534
stomach, and jejunal loops used to replace esophagus, observations of pressure waves in (Miller, Lam, and Ong), 543

Committees, observations of functioning of (Spencer), 394
Conflict resolution, decisions and (Eiseman), 401
Coronary artery(ies) bypass, distal: local occlusion vs. ischemic arrest (Ellis et al.), 424
patent, papillary muscle ischemia with (Brazier, Maloney, and Buckberg), 430
surgery, role of, in patients surviving unexpected cardiac arrest (Kaiser et al.), 749
surgical management of penetrating injuries to (Espada et al.), 755
Corticosteroids, various, effect of, upon phagocytic bactericidal activity of neutrophils (Fuenfer, Olson, and Polk), 27
Crohn's disease, multifocal colonic carcinoma and (Keighley, Thompson, and Alexander-Williams), 534
Culture, mixed leukocyte, testing on allograft survival in unrelated dogs, predictive value of (Kahn et al.), 1
Cushing, Harvey W., tribute to: value of accurate observations and clear clinical reports (Shumacker), 269
Cutaneous hypersensitivity reactions, delayed, to melanoma antigen (Holmes, Roth, and Morton), 160
Cutler, Elliott C., vignette of: the spoken and written word (Shumacker) (editorial), 121
Cyclic adenosine monophosphate, exogenous, in hemorrhagic shock, effects of (Mac Rae, Chiu, and Hinchey), 254

D

Decarboxylase activity, host splenic histidine, accumulation of mononuclear cells in tumors with growth slowing and elevation in, following repeated tumor injections with bradykinin (Koppelmann et al.), 181
Decisions and conflict resolution (Eiseman), 401
Dermatome, adjustable razor (Shoul) (letter to editors), 683; reply (Huang), 683
Dextran treatment of experimental small artery trauma, nature of arterial healing following (Bloom et al.), 594
Diabetic rats, pancreatic transplantation in: renal function, morphology, ultrastructure, and immunohistology (Weil et al.), 142
Dialysis, arteriovenous, fistulas to correct high-output cardiac failure, banding of (Anderson and Groce), 552
Diathesis and thrombosis, hemorrhagic, experimental study on mechanisms of: orthotopic liver transplantation (Schalm et al.), 492
Dissection, acute aortic, control of (Carney, Rheinlander, and Cleveland), 114
Distal coronary artery bypass: local occlusion vs. ischemic arrest (Ellis et al.), 424
Dogs and pigs, controlled trial evaluating different preservation fluids in: orthotopic liver transplantation after preservation without perfusion for up to six hours (Schalm et al.), 637
unrelated, predictive value of mixed leukocyte culture testing on allograft survival in (Kahn et al.), 1
Donor-specific IgG antibody and chronic rejection of human renal allografts (Pierce, Kay, and Lee), 14
Doppler, directional, identification and successful treatment of congenital microfistulas with aid of (Pisko-Dubienski et al.), 564
Drapanas, Theodore, M.D., 1930-1975, in memoriam, 265
Drugs and parenteral solutions, effects of, on vascular fibrinolytic activity (Johnston and Silver), 202

E

Electrode, oxygen, disposable in vivo, for continuous measurement of arterial oxygen tension (Gold et al.), 245
Electroencephalographic monitoring for carotid study, evaluation of (Baker et al.), 787
Electrolyte, albumin vs., solutions, randomized trial of, during abdominal aortic operation (Skillman, Restall, and Salzman), 291
Embolectomy, arterial, revisited (Haimovici, Moss, and Veith), 409
Embolism, peripheral, resulting from unsuspected atheromatous aortic plaques (Kwaan et al.), 583
Emphysema, thigh, and hip pain secondary to gastrointestinal perforation (Nicell et al.), 555
Encephalopathy, hepatic, role of plasma amino acids in (Fischer et al.), 276
Endothelium, rejection and repair of, in major vessel transplants (Williams et al.), 694
Enteral, intermittent or continuous, compared with continuous parenteral glucose: nitrogen sparing by carbohydrate in man (Fitzpatrick et al.), 105
Epidemiologists and surgeons, need for, to cooperate in evaluation of surgical therapies (Stolley and Kuller) (editorial), 123
Epigastric arteriovenous shunt, deep inferior, for hemodialysis (Kauffman), 675
Esophageal varices, results of left gastric vena caval shunt for: analysis of one hundred clinical cases (Inokuchi et al.), 628
Esophagus, observations of pressure waves in stomach, jejunal, and colonic loops used to replace (Miller, Lam, and Ong), 543
Exogenous cyclic adenosine monophosphate in hemorrhagic shock, effects of (Mac Rae, Chiu, and Hinchey), 254
Extracorporeal respiration, era of (Nelson), 685
Extremity, lower, postprandial rest pain and claudication of: case report (Brooks and Bron), 677

F

Familial polyposis, effect of ascorbic acid on rectal polyps of patients with (DeCosse et al.), 608
Femerofemoral bypass vs. heparin-bonded shunt, relative merits of, for aortic arch injury (Burnsed et al.), 176
Femoropopliteal saphenous vein bypass grafts by gastrocnemius muscle, iatrogenic entrapment of (Brener et al.), 668

Fibrinolytic activity, vascular, effects of drugs and parenteral solutions on (Johnston and Silver), 202
periepicardial, activity: relation to cardiac bleeding (Rhodes and Silver), 230
Fibroma, pedunculated mesenteric, acute abdomen due to torsion of (Hashmonai et al.), 665
Fistulas, arteriovenous dialysis, to correct high-output cardiac failure, banding of (Anderson and Groce), 552
traumatic arteriovenous, and false aneurysms: review of 558 lesions (Rich, Hobson, and Collins), 817
Flow and pressure characteristics of portal system before and after splenorenal shunts (Nabseth et al.), 739
Foot vascular resistance index: noninvasive method to assess foot vasomotor tone (Shanik, Hayes, and Barnes), 446
vasomotor tone, noninvasive method to assess: foot vascular resistance index (Shanik, Hayes, and Barnes), 446

G

Gallbladder, adenomyomatosis of (Ram and Midha), 224
Gastrectomy, segmental, for gastric ulcer, evaluation of: one to ten year follow-up (Sekine, Tsukamoto, and Sato), 508
Gastric circulation, canine, hemodynamic effects of intra-arterial infusions of catecholamines on (Zinner, Kerr, and Reynolds), 381
outlet obstruction due to X-linked chronic granulomatous disease (Johnson et al.), 217
ulcer, evaluation of segmental gastrectomy for: one to ten year follow-up (Sekine, Tsukamoto, and Sato), 508
vena caval shunt, left, results of, for esophageal varices: analysis of one hundred clinical cases (Inokuchi et al.), 628
Gastrocnemius muscle, iatrogenic entrapment of femoropopliteal saphenous vein bypass grafts by (Brener et al.), 668
Gastrointestinal hormones, pharmacologic effects of, on intestinal oxygen consumption and blood flow (Bowen et al.), 515
perforation, thigh emphysema and hip pain secondary to (Nicell et al.), 555
Gastrojejunostomy inhibits postshunt siderosis (Doberneck, Fischer, and Smith), 334
Glucagon, methylprednisolone, and allopurinol, effects of, in protection of pancreaticoduodenal allografts perfused for twenty-four hours (Tersigni, Toledo-Pereyra, and Najarian), 599
Glucose, cellular, utilization during hemorrhagic shock in pig (Wright and Henderson), 322
hypertonic, in lumen, distribution of blood flow in intestine with (Yu, Yu, and Chou), 520
intermittent or continuous enteral compared with continuous parenteral: nitrogen sparing by carbohydrate in man (Fitzpatrick et al.), 105
Glycolytic pathways and Krebs cycle, effect of total hepatectomy on selected cerebral substrates and enzymes of (Zieve, Nicoloff, and Doizaki), 414
Graft(s), femoropopliteal saphenous vein bypass, by gastrocnemius muscle, iatrogenic entrapment of (Brener et al.), 668
function, duration of, and influence of pseudointimal integrity: bacteremic infectability of vascular grafts (Malone et al.), 211
vascular, bacteremic infectability of: influence of pseudointimal integrity and duration of graft function (Malone et al.), 211
Granulomatous disease, chronic, X-linked, gastric outlet obstruction due to (Johnson et al.), 217

H

Hancock porcine xenograft, atrioventricular valve replacement with: five year experience (McIntosh et al.), 768
Healing, wound, in mice, effects of antineoplastic agents on (Cohen et al.), 238
Heart allografting, heterotopic rat, tissue levels of prostaglandin E following (Jaffe, Moore, and Vigran), 481
Hematocrit, CVP, pulmonary wedge pressure, and cardiorespiratory changes, relationship of blood volume to; plasma expansion in surgical patients with high central venous pressure (CVP) (Baek et al.), 304
Hemodialysis, deep inferior epigastric arteriovenous shunt for (Kauffman), 675
Hemodilution, colloid, effect of, on blood volume, lung water, hemodynamics, and oxygen transport: intraoperative prebleeding in man (Laks et al.), 130
Hemodynamic(s), blood volume, lung water, and oxygen transport, effect of colloid hemodilution on: intraoperative prebleeding in man (Laks et al.), 130
effects of intra-arterial infusions of catecholamines on canine gastric circulation (Zinner, Kerr, and Reynolds), 381
Hemorrhage, upper abdominal, simplified control of, from vena cava (Heaney and Jacobson), 138
Hemorrhagic diathesis and thrombosis, experimental study on mechanisms of: orthotopic liver transplantation (Schalm et al.), 492
infarction: reperfusion injury following prolonged myocardial ischemic anoxia (Cerra et al.), 95
shock, correlation of sequential changes in distribution of pulmonary blood flow in, with histopathologic anatomy (Tiefenbrun, Dikman, and Shoemaker), 618
effects of exogenous cyclic adenosine monophosphate in (MacRae, Chiu, and Hinchey), 254
in pig, cellular glucose utilization during (Wright and Henderson), 322
Hemostasis, collagen-induced topical, effectiveness and mechanism of (Abbott and Austen), 723
Heparin-bonded shunt vs. femerofemoral bypass, relative merits of, for aortic arch injury (Burnsed et al.), 176
Hepatectomy, total, effect of, on selected cerebral substrates and enzymes of glycolytic pathways and Krebs cycle (Zieve, Nicoloff, and Doizaki), 414

Hepatic encephalopathy, role of plasma amino acids in (Fischer et al.), 276
portoenterostomy (Kasai operation) for biliary atresia (Lilly and Altman), 76
Hernia repair complicated by "loss of domain," techniques to aid in (Moss) (letter to editors), 408
Heterotopic rat heart allografting, tissue levels of prostaglandin E following (Jaffe, Moore, and Vigran), 481
Heuer, George J., M.D.—critical analysis of role he played in introducing residency system of training (Griswold), 349
Hip pain, thigh emphysema and, secondary to gastrointestinal perforation (Nicell et al.), 555
Histidine decarboxylase activity, host splenic, accumulation of mononuclear cells in tumors with growth slowing and elevation in, following repeated tumor injections with bradykinin (Koppelmann et al.), 181
Histopathologic anatomy, correlation of sequential changes in distribution of pulmonary blood flow in hemorrhagic shock with (Tiefenbrun, Dikman, and Shoemaker), 618
Hormones, gastrointestinal, pharmacologic effects of, on intestinal oxygen consumption and blood flow (Bowen et al.), 515
Host splenic histidine decarboxylase activity, accumulation of mononuclear cells in tumors with growth slowing and elevation in, following repeated tumor injections with bradykinin (Koppelmann et al.), 181
Hydrochloric acid, rationale for use of: postoperative metabolic alkalosis and acute renal failure (Shavelle and Parke), 439
Hyperkalemia, induced, protective effects of, during total circulatory arrest (Gay, Ebert, and Kass), 22
Hypersensitivity reactions, delayed cutaneous, to melanoma antigen (Holmes, Roth, and Morton), 160
Hypertonic glucose in lumen, distribution of blood flow in intestine with (Yu, Yu, and Chou), 520
Hypertrophy, compensatory renal, rapid reversal of, after withdrawal of stimulus (Dijkhuis et al.), 476

I

Iatrogenic entrapment of femoropopliteal saphenous vein bypass grafts by gastrocnemius muscle (Brener et al.), 668
IgG antibody, donor-specific, and chronic rejection of human renal allografts (Pierce, Kay, and Lee), 14
Immunodepression after major surgery in normal patients (Slade et al.), 363
Immunohistology, renal function, morphology, and ultrastructure: pancreatic transplantation in diabetic rats (Weil et al.), 142
Immunologic deficiency, sepsis and, role of: liver failure in postoperative patient (Norton, Moore, and Eiseman), 6
Immunotherapy, bacillus Calmette-Guerin, effect of, on tumor antigen–induced lymphocyte-stimulated protein synthesis in melanoma patients (Roth et al.), 66
Infarction, hemorrhagic: reperfusion injury following prolonged myocardial ischemic anoxia (Cerra et al.), 95
Infectability, bacteremic, of vascular grafts: influence of pseudointimal integrity and duration of graft function (Malone et al.), 211
Infusions, intra-arterial, of cathecholamines, hemodynamic effects of, on canine gastric circulation (Zinner, Kerr, and Reynolds), 381
Inhibitor, angiotensin II, failure of, to modify hyperacute rejection (Haberal et al.), 149
Intermittent claudication: its natural course (Imparato et al.), 795
Internal, percutaneous, jugular vein catheterization, complication of: pseudoaneurysm of brachiocephalic arteries (Shield et al.), 190
Intestinal oxygen consumption and blood flow, pharmacologic effects of gastrointestinal hormones on (Bowen et al.), 515
Intestine, distribution of blood flow in, with hypertonic glucose in lumen (Yu, Yu, and Chou), 520
Intra-arterial infusions of catecholamines, hemodynamic effects of, on canine gastric circulation (Zinner, Kerr, and Reynolds), 381
Intraoperative prebleeding in man: effect of colloid hemodilution on blood volume, lung water, hemodynamics, and oxygen transport (Laks et al.), 130
Ischemia, papillary muscle, with patent coronary arteries (Brazier, Maloney, and Buckberg), 430
Ischemic anoxia, prolonged myocardial, reperfusion injury following: hemorrhagic infarction (Cerra et al.), 95
arrest vs. local occlusion: distal coronary artery bypass (Ellis et al.), 424

J

Jejunal, stomach, and colonic loops used to replace esophagus, observations of pressure waves in Miller, Lam, and Ong), 543
Jejunum, adenocarcinoma of, in 18-year-old patient: case report (Voegele and Moncrief), 251
Jugular vein catheterization, percutaneous internal, complication of: pseudoaneurysm of branchiocephalic arteries (Shield et al.), 190

K

(Kasai operation), hepatic portoenterostomy, for biliary atresia (Lilly and Altman), 76
Kidney(s) allograft recipients, clinical, neutrophil function in (Grogan and Smith), 316
cadaver, preserved with plasma perfusate containing antidonor antibody, post-transplant function of (Cho, Whelchel, and Colberg), 472
Krebs cycle, glycolytic pathways and, effect of total hepatectomy on selected cerebral substrates and enzymes of (Zieve, Nicoloff, and Doizaki), 414

L

Leukocyte culture, mixed, testing on allograft survival in unrelated dogs, predictive value of (Kahn et al.), 1

Liver failure in postoperative patient: role of sepsis and immunologic deficiency (Norton, Moore, and Eiseman), 6
transplantation, orthotopic, after preservation without perfusion or up to six hours: controlled trial evaluating different preservation fluids in dogs and pigs (Schalm et al.), 637
experimental study on mechanisms of hemorrhagic diathesis and thrombosis (Schalm et al.), 492
Loops, stomach, jejunal, and colonic, used to replace esophagus, observations of pressure waves in (Miller, Lam, and Ong), 543
"Loss of domain," techniques to aid in hernia repair complicated by (Moss) (letter to editors), 408
Lumen, distribution of blood flow in intestine with hypertonic glucose in (Yu, Yu, and Chou), 520
Lung(s), canine, comparative study of effects of dry vs. humidified ventilation on (Fonkalsrud et al.), 373
water, blood volume, hemodynamics, and oxygen transport, effect of colloid hemodilution on: intraoperative prebleeding in man (Laks et al.), 130
Lymphocyte(s), peripheral, association of carcinoembryonic antigen and (Papatestas et al.), 343
stimulated, tumor antigen–induced, protein synthesis in melanoma patients, effect of bacillus Calmette-Guerin immunotherapy on (Roth et al.), 66

M

Mammary carcinoma in young women, prognosis of (Gogas and Skalkeas), 339
Melanoma antigen, delayed cutaneous hypersensitivity reactions to (Holmes, Roth, and Morton), 160
patients, effect of bacillus Calmette-Guerin immunotherapy on tumor antigen–induced lymphocyte-stimulated protein synthesis in melanoma patients (Roth et al.), 66
(Melrose), potassium citrate, cardioplegia, mechanism of myocardial damage following (Tyers et al.), 45
Mesenteric fibroma, pedunculated, acute abdomen due to torsion of (Hashmonai et al.), 665
vascular occlusion, acute: review of thirty-two patients (Singh, Shah, and Lee), 613
Mesocaval shunt, surgical anatomy of (Holyoke, Davis, and Harry), 526
Metabolic alkalosis, postoperative, and acute renal failure: rationale for use of hydrochloric acid (Shavelle and Parke), 439
Methylprednisolone, glucagon, and allopurinol, effects of, in protection of pancreaticoduodenal allografts perfused for twenty-four hours (Tersigni, Toledo-Pereyra, and Najarian), 599
Mice, effects of antineoplastic agents on wound healing in (Cohen et al.), 238
Microfistulas, congenital, identification and successful treatment of, with aid of directional Doppler (Pisko-Dubienski et al.), 564
Monofilament suture, use of, in vascular surgery (Dean, Pinkerton, and Foster), 165
Mononuclear cells in tumors, accumulation of, with growth slowing and elevation in host splenic histidine decarboxylase activity following repeated tumor injections with bradykinin (Koppelmann et al.), 181
Morphology, renal function, ultrastructure, and immunohistology: pancreatic transplantation in diabetics rats (Weil et al.), 142
Multifocal colonic carcinoma and Crohn's disease (Keighley, Thompson, and Alexander-Williams), 534
Muscle, capillary, blood flow in human sepsis (Finley et al.), 87
gastrocnemius, iatrogenic entrapment of femoropopliteal saphenous vein bypass grafts by (Brener et al.), 668
papillary, ischemia with patent coronary arteries (Brazier, Maloney, and Buckberg), 430
Myocardial damage, mechanism of, following potassium citrate (Melrose) cardioplegia (Tyers et al.), 45
ischemic anoxia, prolonged, reperfusion injury following: hemorrhagic infarction (Cerra et al.), 95

N

Nerve injuries, civilian peripheral, reappraisal of timing for (Kline and Hackett), 54
Neutrophil(s), effect of various corticosteroids upon phagocytic activity of (Fuenfer, Olson, and Polk), 27
function in clinical kidney allograft recipient (Grogan and Smith), 316
Nitrogen sparing by carbohydrate in man: intermittent or continuous enteral compared with continuous parenteral glucose (Fitzpatrick et al.), 105
Nuclear pacemakers, clinical experience with (Parsonnet et al.), 776

O

Occluded renal artery (Magilligan et al.), 730
Occlusion, acute mesenteric vascular: review of thirty-two patients (Singh, Shah, and Lee), 613
local, vs. ischemic arrest: distal coronary artery bypass (Ellis et al.), 424
Operating room, television in (Laufman and Rosenberg), 273
Orthotopic liver transplantation after preservation without perfusion for up to six hours: controlled trial evaluating different preservation fluids in dogs and pigs (Schalm et al.), 637
experimental study on mechanisms of hemorrhagic diathesis and thrombosis (Schalm et al.), 492
Outlet, gastric, obstruction, due to X-linked chronic granulomatous disease (Johnson et al.), 217
Oxygen consumption, intestinal, and blood flow, pharmacologic effects of gastrointestinal hormones on (Bowen et al.), 515
electrode, disposable in vivo, for continuous measurement of arterial oxygen tension (Gold et al.), 245
tension(s), arterial, disposable in vivo oxygen electrode for continuous measurement of (Gold et al.), 245
in healing anastomosis of rabbit aorta (Kivisaari and Niinikoski), 169

Oxygen—Cont'd
transport, blood volume, lung water, and hemodynamics, effect of colloid hemodilution on: intraoperative prebleeding in man (Laks et al.), 130

P

Pacemakers, nuclear, clinical experience with (Parsonnet et al.), 776
Pancreatic transplantation in diabetic rats: renal function, morphology, ultrastructure, and immunohistology (Weil et al.), 142
Pancreaticoduodenal allografts perfused for twenty-four hours, effects of methylprednisolone, glucagon, and allopurinol in protection of (Tersigni, Toledo-Pereyra, and Najarian), 599
Papillary muscle ischemia with patent coronary arteries (Brazier, Maloney, and Buckberg), 430
Papilloma, benign obstructing, of ampulla of Vater in infancy (Shabot et al.), 560
Parathyroid glands in man, transplantation of: clinical indications and results (Wells et al.), 34
Parenteral, continuous, glucose, intermittent or continuous enteral compared with: nitrogen sparing by carbohydrate in man (Fitzpatrick et al.), 105
solutions and drugs, effects of, on vascular fibrinolytic activity (Johnston and Silver), 202
Pedunculated mesenteric fibroma, acute abdomen due to torsion of (Hashmonai et al.), 665
Percutaneous catheterization of subclavian vein, cardiac tamponade complicating (Dosios et al.), 261
internal jugular vein catheterization, complication of: pseudoaneurysm of brachiocephalic arteries (Shield et al.), 190
Perfusate, plasma, containing antidonor antibody, post-transplant function of cadaver kidneys preserved with (Cho, Whelchel, and Colberg), 472
Perfusion for up to six hours, orthotopic liver transplantation after preservation without: controlled trial evaluating different preservation fluids in dogs and pigs (Schalm et al.), 637
Periepicardial fibrinolytic activity: relation to cardiac bleeding (Rhodes and Silver), 230
Peripheral embolism resulting from unsuspected atheromatous aortic plaques (Kwaan et al.), 583
nerve injuries, civilian, reappraisal of timing for (Kline and Hackett), 54
Phagocytic bactericidal activity of neutrophils, effect of various corticosteroids upon (Fuenfer, Olson, and Polk), 27
Pharmacologic effects of gastrointestinal hormones on intestinal oxygen consumption and blood flow (Bowen et al.), 515
Pig(s), cellular glucose utilization during hemorrhagic shock in (Wright and Henderson), 322
and dogs, controlled trial evaluating different preservation fluids in: orthotopic liver transplantation after preservation without perfusion for up to six hours (Schalm et al.), 637
Plaques, unsuspected atheromatous aortic, peripheral embolism resulting from (Kwaan et al.), 583
Plasma amino acids, role of, in hepatic encephalopathy (Fischer et al.), 276
expansion in surgical patients with high central venous pressure (CVP); the relationship of blood volume to hematocrit, CVP, pulmonary wedge pressure, and cardiorespiratory changes (Baek et al.), 304
perfusate containing antidonor antibody, post-transplant function of cadaver kidneys preserved with (Cho, Whelchel, and Colberg), 472
Plastic mesh, abdominal wall replacement with, in ablative cancer surgery (Karakousis, Elias, and Douglass), 453
Polar renal artery, aneurysm of (Cifarelli et al.), 660
Polyposis, familial, effect of ascorbic acid on rectal polyps of patients with (DeCosse et al.), 608
Polyps, rectal, of patients with familial polyposis, effect of ascorbic acid on (DeCosse et al.), 608
Porcine xenograft, Hancock, atrioventricular valve replacement with: five year experience (McIntosh et al.), 768
Portal system, flow and pressure characteristics of, before and after splenorenal shunts (Nabseth et al.), 739
Portoenterostomy, hepatic, (Kasai operation) for biliary atresia (Lilly and Altman), 76
Postprandial rest pain and claudication of lower extremity: case report (Brooks and Bron), 677
Potassium citrate (Melrose) cardioplegia, mechanism of myocardial damage following (Tyers et al.), 45
Prebleeding, intraoperative, in man: effect of colloid hemodilution on blood volume, lung water, hemodynamics, and oxygen transport (Laks et al.), 130
Pressure, flow and, characteristics of portal system before and after splenorenal shunts (Nabseth et al.), 739
waves, observations of, in stomach, jejunal, and colonic loops used to replace esophagus (Miller, Lam, and Ong), 543
Profunda femoris artery, revascularization of, in aortoiliac occlusive disease (Welsh and Repetto), 389
Prostaglandin E, tissue levels of, following heterotopic rat heart allografting (Jaffe, Moore, and Vigran), 481
Protein synthesis, tumor antigen–induced lymphocyte-stimulated, in melanoma patients effect of bacillus Calmette-Guerin immunotherapy on (Roth et al.), 66
Pseudoaneurysm of brachiocephalic arteries: complication of percutaneous internal jugular vein catheterization (Shield et al.), 190
Pseudointimal integrity, influence of, and duration of graft function: bacteremic infectability of vascular grafts (Malone et al.), 211
Pulmonary artery, repair of truncus arteriosus in patients with prior banding of (Parker et al.), 761

blood flow in hemorrhagic shock, correlation of sequential changes in distribution of, with histopathologic anatomy (Tiefenbrun, Dikman, and Shoemaker), 618
wedge pressure, hematocrit, CVP, and cardiorespiratory changes, relationship of blood volume to; plasma expansion in surgical patients with high central venous pressure (CVP) (Baek et al.), 304

R

Rabbit aorta, oxygen tensions in healing anastomosis of (Kivisaari and Niinikoski), 169
Rat(s), diabetic, pancreatic transplantation in: renal function, morphology, ultrastructure, and immunohistology (Weil et al.), 142
heart allografting, heterotopic, tissue levels of prostaglandin E following (Jaffe, Moore, and Vigran), 481
skeleton, effects of small-bowel resection or bypass on (Simmons et al.), 460
Razor, adjustable, dermatome (Shoul) (letter to editors), 683; reply (Huang), 683
Rectal polyps of patients with familial polyposis, effect of ascorbic acid on (DeCosse et al.), 608
Rejection, chronic, of human renal allografts, donor-specific IgG antibody and (Pierce, Kay, and Lee), 14
hyperacute, failure of angiotensin II inhibitor to modify (Haberal et al.), 149
Renal allografts, human, chronic rejection of, donor-specific IgG antibody and (Pierce, Kay, and Lee), 14
artery, occluded (Magilligan et al.), 730
polar, aneurysm of (Cifarelli et al.), 660
calculi, recurrent: need for adequate work-up (Shieber), (editorial), 126
failure, acute, postoperative metabolic alkalosis and: rationale for use of hydrochloric acid (Shavelle and Parke), 439
function, morphology, ultrastructure, and immunohistology: Pancreatic transplantation in diabetic rats (Weil et al.), 142
hypertrophy, compensatory, rapid reversal of, after withdrawal of stimulus (Dijkhuis et al.), 476
Reperfusion injury following prolonged myocardial ischemic anoxia: hemorrhagic infarction (Cerra et al.), 95
Resection, small-bowel, or bypass, effects of, on rat skeleton (Simmons et al.), 460
Residency system of training—George J. Heuer, M.D., critical analysis of role he played in introducing (Griswold), 349
Respiration, extracorporeal, era of (Nelson), 685
Revascularization of profunda femoris artery in aortoiliac occlusive disease (Welsh and Repetto), 389

S

Sacrococcygeal chordoma: report of case and review of literature (Gray et al.), 573
Saphenous, femoropopliteal, vein bypass grafts by gastrocnemius muscle, iatrogenic entrapment of (Brener et al.), 668
Segmental gastrectomy for gastric ulcer evaluation of: one to ten year follow-up (Sekine, Tsukamoto, and Sato), 508
Sepsis, human, capillary muscle blood flow in (Finley et al.), 87
and immunologic deficiency, role of: liver failure in postoperative patient (Norton, Moore, and Eiseman), 6
Shock, hemorrhagic, correlation of sequential changes in distribution of pulmonary blood flow in, with histopathologic anatomy (Tiefenbrun, Dikman, and Shoemaker), 618
effects of exogenous cyclic adenosine monophosphate in (MacRae, Chiu, and Hinchey), 254
in pig, cellular glucose utilization during (Wright and Henderson), 322
Shunt(s), deep inferior epigastric arteriovenous, for hemodialysis (Kauffman), 675
heparin-bonded, vs. femerofemoral bypass, relative merits of, for aortic arch injury (Burnsed et al.), 176
left gastric vena caval, results of, for esophageal varices: analysis of one hundred clinical cases (Inokuchi et al.), 628
mesocaval, surgical anatomy of (Holyoke, Davis, and Harry), 526
splenorenal, flow and pressure characteristics of portal system before and after (Nabseth et al.), 739
Siderosis, postshunt, gastrojejunostomy inhibits (Doberneck, Fischer, and Smith), 334
Skeleton, rat, effects of small-bowel resection or bypass on (Simmons et al.), 460
Small-bowel resection or bypass, effects of, on rat skeleton (Simmons et al.), 460
Social worker and surgeon (Strozier and Ballinger) (editorial), 128
Splenic histidine decarboxylase activity, host, accumulation of mononuclear cells in tumors with growth slowing and elevation in, following repeated tumor injections with bradykinin (Koppelmann et al.), 181
Splenorenal shunts, flow and pressure characteristics of portal system before and after (Nabseth et al.), 739
Stomach, jejunal, and colonic loops used to replace esophagus, observations of pressure waves in (Miller, Lam, and Ong), 543
paucity of arteriovenous anastomoses in (Delaney), 411
rate of breaking strength loss of absorbable sutures in (Postlethwait), 531
Subclavian vein, cardiac tamponade complicating percutaneous catheterization of (Dosios et al.), 261
Substrates, cerebral, and enzymes, selected of glycolytic pathways and Krebs cycle, effect of total hepatectomy on (Zieve, Nicoloff, and Doizaki), 414
Surgeon(s), epidemiologists and, need for, to cooperate in evaluation of surgical therapies (Stolley and Kuller) (editorial) 123
and social worker (Strozier and Ballinger) (editorial), 128
Surgical literature, redundancy in (Novin) (letter to editors), 682; reply (Shoemaker), 682
therapies, need for epidemiologists and surgeons to cooperate in evaluation of (Stolley and Kuller) (editorial), 123

Suture(s), absorbable, in stomach, rate of breaking strength loss of (Postlethwait), 531
monofilament, use of, in vascular surgery (Dean, Pinkerton, and Foster), 165
Sympathectomy revisited: dodo or phoenix (de Takats), 644
Synthesis, protein, tumor antigen–induced lymphocyte-stimulated, in melanoma patients, effect of bacillus Calmette-Guerin immunotherapy on (Roth et al.), 66

T

T tube, congenital atresia of (Wayne, Clarfeld, and Sikkema) (letter to editors), 264
Tamponade, cardiac, complicating percutaneous catheterization of subclavian vein (Dosios et al.), 261
Television in operating room (Laufman and Rosenberg), 273
Tension(s), arterial oxygen, disposable in vivo oxygen electrode for continuous measurement of (Gold et al.), 245
oxygen, in healing anastomosis of rabbit aorta (Kivisaari and Niinikoski), 169
Thigh emphysema and hip pain secondary to gastrointestinal perforation (Nicell et al.), 555
Thoracic aorta, post-traumatic aneurysms of (Schwartz et al.), 589
Thrombosis, diathesis and, hemorrhagic, experimental study on mechanisms of: orthotopic liver transplantation (Schalm et al.), 492
venous, unusual problems of (Dale and Allen), 707
Tissue levels of prostaglandin E following heterotopic rat heart allografting (Jaffe, Moore, and Vigran), 481
Tracheal cultures, quantitative, in surgical patients requiring mechanical ventilatory assistance (Polk), 485
Transplantation, orthotopic liver, after preservation without perfusion for up to six hours: controlled trial evaluating different preservation fluids in dogs and pigs (Schalm et al.), 637
experimental study on mechanisms of hemorrhagic diathesis and thrombosis (Schalm et al.), 492
pancreatic, in diabetic rats: renal function, morphology, ultrastructure, and immunohistology (Weil et al.), 142
of parathyroid glands in man: clinical indications and results (Wells et al.), 34
Transplants, major vessel, rejection and repair of endothelium in (Williams et al.), 694
Trauma, experimental small artery, nature of arterial healing following dextran treatment of (Bloom et al.), 594
Truncus arteriosus, repair of, in patients with prior banding of pulmonary artery (Parker et al.), 761
Tumor(s), accumulation of mononuclear cells in, with growth slowing and elevation in host splenic histidine decarboxylase activity following repeated tumor injections with bradykinin (Koppelmann et al.), 181
antigen–induced lymphocyte-stimulated protein synthesis in melanoma patients, effect of bacillus Calmette-Guerin immunotherapy on (Roth et al.), 66
Tumor(s)—Cont'd
injection with bradykinin, accumulation of mononuclear cells in tumors with growth slowing and elevation in host splenic histidine decarboxylase activity following (Koppelmann et al.), 181

U

Ulcer, gastric, evaluation of segmental gastrectomy for: one to ten year follow-up (Sekine, Tsukamoto, and Sato), 508
Ultrastructure, renal function, morphology, and immunohistology: pancreatic transplantation in diabetic rats (Weil et al.), 142

V

Valve, atrioventricular, replacement with Hancock porcine xenograft: five year experience (McIntosh et al.), 768
Vascular fibrinolytic activity, effects of drugs and parenteral solutions on (Johnston and Silver), 202
grafts, bacteremic infectability of: influence of pseudointimal integrity and duration of graft function (Malone et al.), 211
occlusion, acute mesenteric: review of thirty-two patients (Singh, Shah, and Lee), 613
reconstruction, anastomotic aneurysms after: problems of incidence, etiology, and treatment (Szilagyi et al.), 800
resistance index, foot: noninvasive method to assess foot vasomotor tone (Shanik, Hayes, and Barnes), 446
surgery, use of monofilament suture in (Dean, Pinkerton, and Foster), 165
Vasomotor tone, foot, noninvasive method to assess: foot vascular resistance index (Shanik, Hayes, and Barnes), 446
Vater, ampulla of, benign obstructing papilloma of, in infancy (Shabot et al.), 560
Vein, femoropopliteal saphenous, bypass grafts by gastrocnemius muscle, iatrogenic entrapment of (Brener et al.), 668
jugular, catheterization, percutaneous internal, complication of: pseudoaneurysm of brachiocephalic arteries (Shield et al.), 190
Vena cava, simplified control of upper abdominal hemorrhage from (Heaney and Jacobson), 138
Vena caval shunt, left gastric, results of, for esophageal varices: analysis of one hundred clinical cases (Inokuchi et al.), 628
Venous pressure, central (CVP), hematocrit, pulmonary wedge pressure, and cardiorespiratory changes, relationship of blood volume to: plasma expansion in surgical patients with high central venous pressure (CVP) (Baek et al.), 304
high, plasma expansion in surgical patients with; relationship of blood volume to hematocrit, CVP, pulmonary wedge pressure, and cardiorespiratory changes (Baek et al.), 304
Venous thrombosis, unusual problems of (Dale and Allen), 707
Ventilation, dry vs. humidified, comparative study of effects of, on canine lungs (Fonkalsrud et al.) 373

Ventilatory assistance, mechanical, quantitative tracheal cultures in surgical patients requiring (Polk), 485
therapy for acid aspiration, evaluation of (Flint, Gosdin, and Carrico), 492

W

Wedge, pulmonary, pressure, hematocrit, CVP, and cardiorespiratory changes, relationship of blood volume to; plasma expansion in surgical patients with high central venous pressure (CVP) (Baek et al.), 304
Wound healing in mice, effects of antineoplastic agents on (Cohen et al.), 238

X

X-linked chronic granulomatous disease, gastric outlet obstruction due to (Johnson et al.), 127
Xenograft, Hancock porcine, atrioventricular valve replacement with: five year experience (McIntosh et al.), 768